# AMERICAN JOURNAL

OF

# **OPHTHALMOLOGY**

THIRD SERIES FOUNDED BY EDWARD JACKSON

VOLUME 78 JULY-DECEMBER, 1974

FRANK W. NEWELL, Editor-in-Chief 233 East Ontario St., Chicago, Illinois 60611

## EDITORIAL BOARD

Mathea R. Allansmith, Palo Alto Douglas R. Anderson, Miami Crowell Beard, San Jose Bernard Becker, St. Louis Frederick C. Blodi, Iowa City Benjamin F. Boyd, Panama Charles J. Campbell, New York Thomas Chalkley, Chicago Claes H. Dohlman, Boston Sir Stewart Duke-Elder, London J. Terry Ernest, Chicago DuPont Guerry III, Richmond Paul Henkind, Bronx Michael J. Hogan, San Francisco Robert W. Hollenhorst, Rochester Herbert E. Kaufman, Gainesville Arthur H. Keeney, Louisville

Bertha A. Klien, Chicago Carl Kupfer, Bethesda James E. Lebensohn, Chicago Irving H. Leopold, New York A. Edward Maumenee, Baltimore Edward W. D. Norton, Miami Arnall Patz. Baltimore Steven M. Podos, St. Louis Albert M. Potts, Chicago Algernon B. Reese, New York Robert D. Reinecke, Albany Marvin L. Sears, New Haven David Shoch, Chicago Bruce E. Spivey, San Francisco Bradley R. Straatsma, Los Angeles Phillips Thygeson, San Francisco Gunter K. von Noorden, Houston

Jane Lambe, Advertising and Business Manager Mary L. Borysewicz, Managing Editor

## COLLABORATORS

THOMAS AABERG, Milwaukee; MARCEL FRENKEL, Chicago; PETER C. KRONFELD, Tucson; RONALD F. LOWE, Melbourne, Australia; PAUL E. ROMANO, Chicago; JOEL G. SACKS, Chicago.

Published monthly by the Ophthalmic Publishing Company 233 East Ontario St., Chicago, Illinois 60611

## SCIENTIFIC REFEREES

THE EDITORIAL BOARD ACKNOWLEDGES WITH GRATITUDE THE ASSISTANCE OF THE FOLLOWING SCIENTIFIC REFEREES IN REVIEWING MANUSCRIPTS DURING 1974:

FRANCIS HEED ADLER

DANIEL M. ALBERT

DESMOND ARCHER

MANSOUR ARMALY

RAYNOLD N. BERKE

C. WARREN BLEDSOE

MILTON BONIUK

GOODWIN M. BREININ

STUART I. BROWN

HERMANN BURIAN

GILBERT W. CLEASBY

D. Jackson Coleman

HAROLD CROSS

AUGUST DEUTMAN

GUILLERMO DE VENECIA

STEPHEN M. DRANCE

FREDERICK EDERER

JAY M. ENOCH

PHILIP P. ELLIS

R. M. FASANELLA

F. T. FRAUNFELDER

JAMES GORDON

W. MORTON GRANT

PIERRE GUIBOR

WILLIAM HAM

JOHN E. HARRIS

JOHN WOODWORTH HENDERSON

ZDENEK HRUBAN

WILLIAM F. HUGHES

NORMAN D. JAFFE

HAROLD A. KAHN

KENNETH R. KENYON

PHILIP KNAPP

Toichiro Kuwabara

THEODORE LAWWILL

P. F. LEE

HARVEY A. LINCOFF

DAVID LOWRY

ROBERT MACHEMER

IRENE H. MAUMENEE

DAVID M. MAURICE

SAMUEL D. McPHERSON

DON H. NICHOLSON

G. RICHARD O'CONNOR

GHOLAM PEYMAN

ALLEN M. PUTTERMAN

MAURICE F. RAAB

HENRY RAPPAPORT

MELVIN RUBIN

C. W. RUCKER

RONALD SCHACHAR

CHARLES L. SCHEPENS

THEODORE F. SCHLAEGEL, JR.

JERRY SHIELDS

DANIEL SNYDACKER

H. SAUL SUGAR

**JOEL SUGAR** 

H. STANLEY THOMPSON

GEORGE N. WISE<sup>†</sup>

DAVID WORTHEN

Myron Yanoff

LORENZ ZIMMERMAN

<sup>†</sup> Deceased

## SUBJECT INDEX

## VOLUME 78, JULY-DECEMBER, 1974

## ORIGINAL ARTICLES, AND NOTES, CASES, INSTRUMENTS

Note: Abstract Index follows Author Index

Abnormalities, chromosome, embryo eyes, 167

Abscess, mycotic intrasellar, 478

Acetazolamide, hirsutism, chronic administration, 327 Acquired conjunctival melanosis, benign pigmented tumors, 229

Active force, saccadic velocity, orbital blow-out fracture, 665 Acute retinal pigment epitheliitis, 571

Adenoma, benign adrenal, secondary glaucoma, 497 chromophobe, cortocosteroid-responsive optic neuritis, 485 ebaceous, eyelid, visceral malignancy, 952

Adhesion, chorioretinal, intraocular electrocoagulation, ultrastructure, 598

Adrenal adenoma, benign, secondary glaucoma, 497 Adrenergic drug accumulation, pigmented, nonpigmented iris, 470

Amaurosis fugax, clinical-angiographic correlations, 137

Amblyopia screening, stereopsis, 707, 714
treatment, conventional occlusion, pleoptics, 117
unilateral high myopia, long-term results, treatment, 397 Aminoglycoside, new, BB-K8, intravitreal injection, bacterial endophthalmitis, 82

Amphotericin B toxicity, intravitreal, 77 Anesthesia, general, intraocular pressure measurement, infants, 110

Angiography, fluorescein, anterior segment, simplified tech-

nique, 1029

Angle recession, traumatic, glaucoma, 648 Aniridia, congenital, glaucoma development, 842

traumatic, 1006 Anterior chamber, cholesterolosis, 143

polar cataract, 95

segment, fluorescein angiography, simplified technique, 1029 subcapsular cataract, 972

Antigen, standard recall, retinoblastoma tissue culture cells, cutaneous delayed hypersensitivity responses, crude membrane extracts, 40

Anti-inflammatory agents, noncorticosteroid, 759

Aphakia, extrapupillary iris lens, 541 Aphakic child, infant, operating room, retinoscopy technique, 335

Aqueous humor lactic acid dehydrogenase, retinoblastoma, 612 Artery, central retinal, occlusion, blow-out fracture repair,

Atrophy, iris, herpes zoster ophthalmicus, iritis, 255 photoreceptor, experimental retinal detachment, light role, 233

Automated ophthalmoscope hanger, operating room, 534 Autosomal-dominant inheritance, megalocornea, Down's syndrome, 526

Bacterial endophthalmitis, BB-K8, aminoglycoside, intravitreal injection, 82

Bar-pattern electroretinogram, central retina, 121

Basal cell nevus syndrome, 222 BB-K8, aminoglycoside, intravitreal injection, bacterial endophthalmitis, 82

Benign abducens palsy, varicella, 859 adrenal adenoma, secondary glacuoma, 497 concentric annual macular dystrophy, 384

pigmented tumors, acquired conjunctival melanosis, 229 Bilateral retinal vascular occlusion, papilledema, ventric-ulography, sudden blindness, 275

retrobulbar neuritis, mumps, 331 Binocular single vision, incomitant strabismus, visual field evaluation, 800

dot sign, North American cutaneous blastomycosis, 145

Blastomycosis, North American cutaneous, black dot sign, 145

Blindness, diabetic retinopathy, 58 Blow-out fracture, orbital, saccadic velocity, active force,

repair, central retinal artery occlusion, 538

BOOK REVIEWS

BECKER, Y.: The Agent of Trachoma. In Monographs in Virology, vol. 7, by Melnick, J. L. (ed.) (Thy-

BECKER, Y.: The Agent of Trachoma. In Monographs in Virology, vol. 7, by Melnick, J. L. (ed.) (Thygeson, P.), 878
CAMPBELL, C. J., KOESTNER, C. J., RITTLER, M. C., and TACKABERRY, R. B.: Physiological Optics (Snydacker, D.), 1047
CAMPINCHI, R., FAURE, J. P., BLOCH-MICHEL, E., and HAUT, J.: Uveitis: Immunologic and Allergic Phenomena, translated by Golden, B., and Givoiset, M. (Knox, D. L.), 556
CHALKLEY, T.: Your Eyes. A Book for Paramedical Personnel and the Lay Reader (Brown, D. V. L.), 350

CHAWLA, H. B.: Retinal Detachment. The Essentials

of Management (Fuller, D.), 878
D'ERMO, F., and BONOMI, L.: La Microchirurgia
dell'angolo Camerulare (Alfano, J. E.), 557

FOX, S. L.: Industrial and Occupational Ophthalmology (Keeney, A. H.), 152

FRAZIER, C. A.: Annual Review of Allergy (Allansmith, M.), 742

GOLDBERG, M. F. (ed.): Genetic and Metabolic Eye Disease (François, J.), 558

GOLDBERG, B.: Online Information: Disease (François J.)

Disease (François, J.), 558
GOLDEN, B.: Ocular Inflammatory Disease (Leopold, I.H.), 557
GULICK, E. V.: Peter Parker and the Opening of China (Lebensohn, J. E.), 154
HAVENER, W. M.: To Make You See: Yank Ulmer's Crusade (Newell, F. W.), 153
HERVOUET, F., and ERTUS, M.: Scanning Electron Microscopic Studies of the Eye Structure (Hogan, M. 1), 741

KAUFMAN, L.: Sight and Mind. An Introduction to Visual Perception (Pokorny, J.), 1048 KIMURA, R.: Color Atlas of Gonioscopy (Podos, S.),

LEYDHECKER, W.: Glaukom: Ein Handbuch (Blodi, LEYDHECKER, W.: Glaukom in der Praxis. Ein Leit-

faden (Blodi, F. C.), 349
LINDENBERG, R., WALSH, F. B., and SACKS,
J. G.: Neuropathology of Vision. An Atlas (Hollenhorst, R. W.), 351
NEMA, H. V.: Ophthalmic Syndromes (Guerry, D., III),

NEWELL, F. W., and ERNEST, J. T.: Ophthalmology: Principles and Concepts, 3rd ed. (Spivey, B. E.),

349 OFFRET, G., DHERMY, P., BRINI, A., and BEC, P.: Anatomie pathologique de l'oeil et de ses annexes (Hogan, M. J.), 876 PEARLMAN, J. T. (ed.): Tenth Symposium of the International Society for Clinical Electroretinography, 550

SHIMIZU, K.: Fluorescein Microangiography of the Ocular Fundus (Ernest, J. T.), 741 SIMON, J. M.: Glaucomas Hipertensiones Oculares (Polack, F. M.), 743 STALLARD, H. B.: Eye Surgery, 5th ed. (Newell,

STALLARD, H F. W.), 351

Transactions of the New Orleans Academy of Ophthalmology: Symposium on Surgery of the Orbit and Adnexa,

TREVOR-ROPER, P. D.: The Eye and Its Disorders (Anderson, D. R.), 877

BOOK REVIEWS (continued)

VEYDA, V. (ed.): Vitamin A Deficiency and Blindness
Prevention. Proceedings of two seminars of the
American Foundation for Overseas Blind and the
Nutrition Foundation, 560

WINDSOR, C. E., and HURTT, J.: Eye Muscle Prob-lems in Childhood. A Manual for Parents (Spivey, B. E.), 1048

Canaliculus, surgery, polyethylene tubing, 725 wire, 854

Carcinoma, pancreatic islet cell, ocular metastasis, 806

Cataract, anterior, polar, 95 subcapsular, 972

intracapsular, surgery, one-day hospitalization, 967 traumatic, ultrastructure, 985

Cefazolin sodium, intraocular penetration, 779
Cell-mediated immunity, retinoblastoma, tissue culture line, 5
pancreatic islet, carcinoma, ocular metastasis, 806 retinoblastoma tissue culture, cutaneous delayed hyper-

sensitivity responses, standard recall antigen, crude membrane extracts, 40

Central retinal artery occlusion, blow-out fracture repair,

538 Child, aphakic, infant, retinoscopy technique, operating room,

Childhood cystinosis, electron microscopy, cornea, conjunc-

tiva, 68 Children, eyeglasses, molded silicone nosepiece, 726 Navajo, trachoma, tear and serum immunoglobulin levels,

106

Chlorambucil, intractable idiopathic uveitis, 415 Chloroquine retinopathy, ring maculopathies, 204 Cholesterolosis, anterior chamber, 143

Choriocapillaris, microsphere occlusion, 438

Choroid, folds, experimental, 618 melanoma, size, accuracy, radioactive phosphorus test, 794 small malignant melanoma, 788

vasculature, anatomy, 583 Chorioretinal adhesion, intraocular electrocoagulation, ultra-structure, 598 lesions, retinal detachment, 429

Chromophobe adenoma, corticosteroid-responsive optic neu-ritis, 485 Chromosome abnormalities, embryo eyes, 167

ring B, ocular findings, 624

Clamp, muscle, 861 transconjunctival isolation, transcutaneous resection, levator palpebrae superioris muscle operation, 533

Cleft lip-palate syndrome, ectrodactyly, ectodermal dysplasia, ocular manifestations, 211 Clostridium perfringens, acute endogenous panophthalmitis,

295

Coats' disease, Turner's syndrome, 852 Computerized transaxial tomography, neuro-ophthalmology, 285

Cone electroretinogram, congenital nyctalopia, myopia, 127 Congenital aniridia, glaucoma development, 842

nyctalopia, myopia, cone electroretinogram, 127 paradoxical retraction, lower eyelid, 1027 Conjunctiva, acquired, melanosis, benign pigmented tumors,

229

childhood cystinosis, electron microscopy, cornea, 68 Conjunctivitis, mumps, 1022 suppurative, scleral involvement, 856

Conjunctivodacryocystorhinostomy, Pyrex tube fixation, 1026 Contact glass, Goldmann, photocoagulation method, 540 Conventional occlusion, pleoptics, amblyopia treatment, 117 CORNEA, cells, cryopreservation, penetrating keratoplasty,

230 childhood cystinosis, electron microscopy, conjunctiva, 68 cryopreservation, cells, penetrating keratoplasty, 239 endothelium, Theodor Leber, 893 Fuchs' endothelial dystrophy, 363

irrigation, syringe, butterfly needle, 334 perforated, transplantation, 518 primary lipoidal degeneration, 12

thinning, perforation, Sjögren's syndrome, 917

ulcers, experimental, tobramycin, 318 Corneoscleral limbus, fibrous histiocytoma, 700

CORRESPONDENCE

Air travel and contact-lens wearers, by Berlin, M. S.,

Autosomal dominant inheritance in albinism, by Maumenee, I. H. Reply by Bergsma, D. R., and Kaiser-Kupfer, M., 737
Binkhorst lenses, by Choyce, D. P. Reply by Manschot, W. A., 1044
Browning of the lenses.

Browning of the lens in generalized albinism, by Wolbarsht, M. L., and Yamanashi, B. S. Reply by Sears, M. L.,

Central serous retinopathy and pregnancy, by Bedrossian,

R. H., 152 Charts for neuro-ophthalmology courses, by Lyle, D. J., 347

Congenital hereditary endothelial dystrophy, by Klouman, O. Fr. Reply by Kaufman, H. E., Levenson, J. E., and Chandler, J. W., 151

and Chandler, J. W., 151
Corneal cells in penetrating keratoplasty, by Sugar, S. Reply by Clifton, E., and Hanna, C., 1045
Graft reactions after keratoplasty for keratoconus, by Brightbill, F. S. Reply by Chandler, J. W., and Kaufman, H. E., 555
Granular dystrophy of the cornea, by Garner, A. Reply by Brownstein, S., Fine, B. S., Sherman, M. E., and Zimmerman, L. E., 872
Horner's syndrome, by Thompson, H. S., and Mensher, J. Reply by Scars, M. L., 739
Intravitreal amphotericin B toxicity, by Axelrod, A. J., Peyman, G. A., and Apple, D. J. Reply by Sourin, E. N., and Green, W. R., 875
Norrie's disease, by Hesse, R. Reply by Townes, P. L., and Roca, P. D., 150
Overacting inferior oblique muscle, by Jampel, R. S. Reply by Parks, M. M., 736
Photocoagulation and rubeosis iridis, by Callahan, M. A., and Hilton, G. F., 873

and Hilton, G. F., 873 Pseudosarcomatous fasciitis, by Szalay, G. C. Reply by Meacham, C. T., 738 Radiopaque buckle, by Lobel, D., 1044

Rapid assessment of aphakic visual potential, by Garland, M. A., 554

Severing sutures after cataract extraction, by Faust, K. J., 873
Sterile drape for Zeiss microscope, by Gershen, H. J., 348
CORTICOSTEROID glacoma, 505

injection, periocular, motility limitation, 996 non-, anti-inflammatory agents, 759

responsive optic neuritis, chromophobe adenoma, 485 therapy, sympathetic uveitis, 90

Crude membrane extracts, retinoblastoma tissue culture cells, cutaneous delayed hypersensitivity responses, standard recall antigens, 40

Cryopreservation, corneal, cells, penetrating keratoplasty, 239

Cryosurgical probing, retinal tears, 411
Culture cells, retinoblastoma tissue, cutaneous delayed hypensitivity responses, standard recall antigens, crude membrane extracts, 40 line, retinoblastoma tissue, cell-mediated immunity, 5

Cutaneous blastomycosis, North American, black dot sign, 145 delayed hypersensitivity responses, standard recall antigens, crude membrane extracts, retinoblastoma tissue culture cells, 40

Cuterebra larva, ophthalmomyiasis, eyelid, 1024 Cyst, Dandy-Walker, sclerocornea, 54 epithelial, downgrowth after surgery, 1

Cystinosis, childhood, electron microscopy, cornea, conjunctiva, 68

Cytotoxicity, ophthalmic preservatives, 98

Dandy-Walker cyst, sclerocornea, 54 Degeneration, disciform, macula, natural history, 579 lattice, retina, detachment, 930 primary lipoidal, cornea, 12

retina, 279 Delayed hypersensitivity responses, cutaneous, standard recall antigens, crude membrane extracts, retinoblastoma tissue culture cells, 40

DETACHMENT, experimental retinal, light role, photo-receptor atrophy, 233

internal limiting membrane, branch retinal vein obstruction, 324

lattice, retina, detachment, 930 retina, chorioretinal lesions, 429

extraocular muscle imbalance, surgical treatment, 321 Diabetes, retinal oxalosis, 189

photocoagulation, 939 neovascularization therapy, retinal retinopathy, blindness, 58

reticuloendothelial system, reactive phase, 400 Dimmer's nummular keratitis, deep stromal involvement, 897 Diode, light-emitting, fixation device, 537

Disciform degeneration, macula, natural history 579 Disk, optic, vision recovery, melanocytoma, 236
Disseminated intravascular coagulation, ocular findings, 493 Dominant, progressive foveal dystrophy,

Downgrowth, epithelial, post surgical, epithelial cyst, 1 Down's syndrome, autosomal-dominant inheritance, megalocornea, 526

Dystrophy, benign concentric annual macular, 384 dominant progressive foveal, 903 Fuchs' endothelial, cornea, 363

posterior polymorphous, keratoconas, 535

Dysplasia, ectodermal, ectrodactyly, cleft lip-palate syndrome, ocular manifestations, 211

Ectodermal dysplasia, ectrodactyly, cleft lip-palate syndrome, ocular manifestations, 211

Ectrodactyly, ectodermal dysplasia, cleft lip-palate syndrome, ocular manifestations, 211 EDITORIALS

American Academy of Ophthalmology and Otolaryngology 1974 (Newell, F. W.), 1041 Consolidation of United States Pharmacopeia and Na-

tional Formulary (Leopold, I. H.), 734
Licensure, certification and accountability, 867
National Eye Institute 1974 (Newell, F. W.), 344
The 1974 American Ophthalmological Society meeting
(Hughes, W. F.), 148 The risks of examining the optic disk (Anderson, D. R.),

The XXII International Congress-Paris 1974 (Newell,

F. W.), 550 Electrocoagulation, intraocular, chorioretinal adhesion, ultra-

structure, 598 Electron microscopy, cornea, conjunctiva, childhood cysti-

Electrophysiology, visual system, familial juvenile nephro-nophthisis, tapetoretinal dystrophy, 591 Electroretinogram, bar-pattern, central retina, 121

cone, congenital nyctalopia, myopia, 127 Embryo eyes, chromosome abnormalities, 167

Endogenous panophthalmitis, acute, Clostridium perfringens,

uveitis, lymphocyte transformation, Bantu-speaking Negroes, 45

Endophthalmitis, bacterial, BB-K8, aminoglycoside, intravitreal injection, 82

Endothelial dystrophy, Fuchs', cornea, 363
Endothelium, cornea, Theodor Leber, 893
tubules, Schlemm's canal, pressure-dependent change, 630 Endovascular hemangioendothelioma, eyelid, 727 Epithelial cyst, epithelial downgrowth after surgery, 1

Epithelium. retinal pigment, melanin, posttraumatic migration, 251

Equipment case, ocular examination, 338

Exfoliation syndrome, 835
Experimental corneal ulcers, tobramycin, 318
retinal detachment, light role, photoreceptor atrophy, 233

Expulsive hemorrhage, 961
Extract, crude membrane, retinoblastoma tissue culture cells, cutaneous delayed hypersensitivity responses, standard recall antigens, 40

Extraocular muscle imbalance, surgical treatment, retinal detachment, 321

Extrapupillary iris lens, aphakia, 541 Eyeglasses, children, molded silicone nosepiece, 726 EYELID, endovascular hemangioendothelioma, 727 lower, congenital, paradoxical retraction, 1027 ophthalmomyiasis, Cuterebra larva, 1024

retractor, ocular surgery, 328 sebaceous adenoma, visceral malignancy, 952

Familial juvenile nephronophthisis, tapetoretinal dystrophy, visual system, electrophysiologic study, 591 Fascia bulbi (Tenon's capsule), nodular fasciitis, conjunc-

tiva. 514

Fibrous histiocytoma, corneoscleral limbus, 700 Fluorescein angiography, anterior segment, simplified technique, 1029

formation, intravenous, side effects, 217

topical, intraocular penetration, ophthalmic ointment, 262 Folds, choroidal, experimental, 618 Forceps, Mustardé suturing, 860 Foreign bodies, intraocular copper, 671

Foveal dystrophy, dominant progressive, 903 Fuchs' endothelial dystrophy, cornea, 363 Fracture, orbital, 128 patients, 655

blow-out, saccadic velocity, active force, 665 Fundus albipunctatus, vitamin A deficiency, 926

Georges de La Tour, superior oblique muscle, overaction,

GLAUCOMA, corticosteroid, 505 development, congenital aniridia, 842 posstraumatic angle recession, 648

primary open-angle, early stage, trabecular wall, Schlemm's canal, 639

secondary, benign adrenal adenoma, 497 surgery, sudden visual loss, 1009 Goldmann contact glass, photocoagulation method, 540

Graft failure, previous, keratoplasty, 523

Hand support rail, surgical chair, microsurgery, 332 Hemangioendothelioma, endovascular, eyelid, 727

Hemangiopericytoma, orbit, 816

Hemorrage, expulsive, 961 Herpes simplex keratitis, lymphocyte extract therapy, 921

zoster ophthalmicus, iritis, iris atrophy, 255 High myopia, unilateral, amblyopia, long-term results, treat-ment, 397

Hirsutism, chronic administration, acetazolamide, 327 Histiocytoma, fibrous, corneoscleral limbus, 700 Hypersensitivity responses, cutaneous delayed, standard recall antigens, crude membrane extracts, retinoblastoma tissue culture cells, 40 Hypometric saccades, 1002

Idiopathic uveitis, intractable, chlorambucil, 415 Imbalance, extraocular muscle, surgical treatment, retinal

detachment, 321 Immunity, cell-mediated, retinoblastoma tissue culture line,

Immunoglobulin levels, serum, Navajo children, trachoma,

tear, 106 Incomitant strabismus, binocular single vision, visual field

evaluation, 800 Infant, aphakic, child, retinoscopy technique, operating room,

335 general anesthesia, intraocular pressure measurement, 110

Infrared pupil camera, mass screening, clinical use, 304
Inheritance, autosomal-dominant, megalocornea, Down's syndrome, 526
Injection, intravitreal, bacterial endophthalmitis, BB-K8,

aminoglycoside, 82 Insect egg keratitis, 339

Internal limiting membrane detachment, branch retinal vein obstruction, 324 Intracapsular cataract, surgery, one-day hospitalization, 967

Intractable idiopathic uveitis, chlorambucil, 415

INTRAOCULAR copper foreign bodies, 671 electrocoagulation, chorioretinal adhesion, ultrastructure,

penetration, cefazolin sodium, 779 topical fluorescein, ophthalmic ointments, 262

pressure measurement, infants, general anesthesia, 110 newborn, 501

Intravascular coagulation, disseminated, 493 Intravenous fluorescein formation, side effects, 217 Intravitreal amphotericin B toxicity, 77 injection, bacterial endophthalmitis, BB-K8, aminogly-

coside, 82 Iris atrophy, herpes zoster ophthalmicus, iritis, 255

lens, extrapupillary, aphakia, 541 pigmented, nonpigmented, adrenergic drug accumulation,

Iritis, iris atrophy, herpes zoster ophthalmicus, 255 Irrigation, corneal, syringe, butterfly needle, 334

Jules Stein Lecture, Fifth Annual, ocular therapy advances, noncorticosteroid, anti-inflammatory agents, 759 Keratitis, Dimmer's nummular, deep stromal involvement, 897

herpes simplex, lymphocyte extract therapy, 921 insect egg, 339

Mycobacterium fortuitum, 530

Keratoconus, posterior polymorphous dystrophy, 535 Keratoplasty, penetrating corneal cryopreservation, cells, 239 previous graft failure, 523

Lactic acid dehydrogenase, aqueous humor, retinoblastoma, 612

Lateral gaze, Tournay's phenomenon, pupillary inequality, 449

Lattice degeneration, retina, detachment, 930 Leber, Theodor, endothelium, cornea, 893

Lens, extrapupillary iris, aphakia, 541 Lesion, chorioretinal, retinal detachment, 429 Levator palpebrae superioris muscle clamp, transconjunctival isolation, transcutaneous resection, 533

Light-emitting diode, fixation device, 537 Light role, photoreceptor atrophy, experimental retinal de-

tachment, 233 Ligneous conjunctivitis, 679

Limiting membrane detachment, internal, branch retinal vein obstruction, 324

Lipoidal degeneration, primary, cornea, 12 Lower eyelid, congenital, paradoxical retraction, 1027 Lymphocyte extract therapy, herpes simplex keratitis, 921 transformation, Bantu-speaking Negroes, endogenous uveitis, 45

Lymphoma, malignant, nasolacrimal sac, 511

Macula, disciform degeneration, natural history, 579 dystrophy, benign concentric annular, 384 Maculopathy, ring, chloroquine retinopathy, 204 Malignant melanoma, small, choroid, 788 Medication monitor, ophthalmology, 774
MEETINGS, CONFERENCES, SYMPOSIA
American Medical Association Section of Ophthalmology

(Shoch, D.), 544

Club Jules Gonin (Norton, E. W. D.), 545 European Ophthalmic Pathology Society (Ashton, N.), 342 First International Course on Pseudophakia (Drews, R. C.), 731 Intra-Ocular Implant Club (Choyce, D. P.), 547

Iowa Eye Association Meeting (Phelps, C. D.), 548

Ophthalmology and Rehabilitation Symposium (Keeney, A. H.), 730

Second Congress of the International Strabismological Association (von Noorden, G. K.), 548
Sixteenth Annual Research Meeting of the Department of Ophthalmology of the University of Toronto (Basu,

P. K.), 863, 1974 Symposium on Plastic Surgery in the Region of the Orbit (Carroll, R. P.), 342 Tenth Annual Bascom Palmer Eye Institute Residents'

Day (Sandberg, J. S.), 1034 Megalocornea, Down's syndrome, autosomal-dominant in-heritance, 526

Melanin, retinal pigment epithelial, posttraumatic migration,

Melanocytoma, optic disk, vision recovery, 236 Melanoma, choroid, size, accuracy, radioactive phosphorus Melanoma, test, 794

primary orbital, 24 small malignant, choroid, 788

Melanosis, acquired conjunctival, benign pigmented tumors, 229

Membrane detachment, internal limiting, branch retinal obstruction, 324

extracts, crude, retinoblastoma tissue culture cells, cutane-ous delayed hypersensitivity responses, standard recall antigens, 40

Metastasis, ocular, pancreatic islet cell carcinoma, 806 Microbiologic, cytologic examination, portable tray, 857 Microsphere occlusion, choriocapillaris, 438

Microsurgery, hand support rail, surgical chair, 332 spectacles, 336

Moist chamber, 859

Monitor, medication, ophthalmic, 774

Motility limitation, periocular corticosteroid injection, 996 Mumps, bilateral retrobulbar neuritis, 331

conjunctivitis, 1022

Muscle clamp, 861 imbalance, extraocular, surgical treatment, retinal de-

tachment, 321 superior oblique, overaction, Georges de La Tour, 999 Mustardé suturing forceps, 860

Mycobacterium fortuitum keratitis, 530 Mycotic intrasellar abscess, 478

Myopia, cone electroretinograms, congenital nyctalopia, 127 unilateral, high, amblyopia, long-term results, treatment, 397

Nasolacrimal sac, malignant lymphoma, 511 Needle, butterfly, corneal irrigation, syringe, 334 Negroes, Bantu-speaking, endogenous uveitis, lymphocyte Negroes,

transformation, 45 Neonate, intraocular pressure measurements, 501

Neovascularization, optic nerve, diabetic, retinal photo-coagulation, 939

Nephronophthisis, familial juvenile, tapetoretinal dystrophy, visual system, electrophysiologic study, 591

Nerve, supraorbital, malignant neurilemoma, 489

Neurilemoma, malignant, supraorbital nerve, 489 Neuritis, bilateral retrobulbar, mumps, 331 optic, corticosteroid-responsive, chromophobe adenoma, 485

Neuro-ophthalmology, tomography, computerized transaxial, 285

Nevus basal cell syndrome, 222

Nitrous oxide, air, vitreous, 314 Nodular fasciitis, conjunctiva, fascia bulbi (Tenon's capsule), 514

Nonpigmented iris, pigmented, adrenergic drug accumulation,

Norrie's disease, ocular histopathology, 196 Nosepiece, molded silicone, children, eyeglasses, 726 Nyctalopia, congenital, myopia, cone electroretinograms, 127

OBITUARY

Marvin Harold Quickert (Beard, C.), 346 Frederick William Stocker (McPherson, S. D., Jr.), 1043 George Helms Wise (Henkind, P. H.), 871 Obstruction, branch retinal vein, internal limiting mem-

brane detachment, 324

Occlusion, bilateral retinal vascular, papilledema, ventriculography, sudden blindness, 275 central retinal artery, blow-out fracture repair, 538

conventional, pleoptics, amblyopia treatment, 117 microsphere, choriocapillaris, 438

Ocular examination, equipment case, 338 histopathology, Norrie's disease, 196 surgery, eyelid retractor, 328

therapy, noncorticosteroid anti-inflammatory agents, Ointment, ophthalmic, intraocular penetration, topical fluorescein, 262

Open-angle glaucoma, primary, early stage, trabecular wall, Schlemm's canal, 639

Ophthalmic preservatives, cytotoxicity, 98 Ophthalmomyiasis, eyelid, Cuterebra larva, 1024

Ophthalmoscope hanger, automated, operating room, 534 Optic disk, vision recovery, melanocytoma, 236 nerve neovascularization, diabetic, retinal photocoagula-

tion, 939

neuritis, corticosteroid-responsive, chromophobe adenoma,

Orbicularis oculi muscle, senile atrophy, ultrastructural change, 689

ORBIT, blow-out fracture, saccadic velocity, active force, 665

fracture, 128 patients, 655 hemangiopericytoma, melanoma, primary, 24 phycomycosis, recovery, 811

Outflow, seven-minute coefficient, 848

Overaction, superior oblique muscle, Georges de La Tour,

Oxalosis, retinal, diabetics, 189

Palsy, benign abducens, varicella, 859 Pancreas, islet cell carcinoma, ocular metastasis, 806 Panophthalmitis, endogenous, acute Clostridium perfringens, 295

Papilledema, ventriculography, sudden blindness, bilateral retinal vascular occlusion, 275

Partially sighted, reading aids, test kit, 1014 Penetrating keratoplasty, corneal cryopreservation, cells, 239 Penetration, intraocular, cefazolin sodium, 779

topical fluorescein, ophthalmic ointments, 262 Perforated cornea, transplantation, 518

Perforation, corneal thinning, Sjögren's syndrome, 917 Periocular corticosteroid injection, motility limitation, 996 Photocoagulation, Goldmann contact glass, 540 retina, diabetic optic nerve neovascularization, 939

Photoreceptor atrophy, experimental retinal detachment, light role, 233

Phycomycosis, orbital, recovery, 811 Pigmented tumors, benign, acquired conjunctival melanosis, 229

Pigment epithelial melanin, retinal, posttraumatic migration,

epitheliitis, acute retinal, 571

iris, nonpigmented, adrenergic drug accumulation, 470 Pleoptics, amblyopia treatment, conventional occlusion, 117 Polyethylene tubing, canalicular surgery, 725 Polymorphous dystrophy, posterior, keratoconus, 535 Portable tray, microbiologic, cytologic examination, 857 Posterior polymorphous dystrophy, keratoconas, 535 Posttraumatic migration, retinal pigment epithelial melanin, 251

Preservatives, ophthalmic, cytotoxcity, 98 Pressure-dependent change, endothelial tubules, Schlemm's canal, 630

intraocular, measurement, infants, general anesthesia, 110 newborn, 501

Primary lipoidal degeneration, cornea, 12 open-angle glaucoma, e Schlemm's canal, 639 early stage, trabecular wall,

orbital melanoma, 24 Pupil camera, infrared, mass screening, clinical use, 304 Pupillary inequality, lateral gaze, Tournay's phenomenon,

Pyrex tube fixation, conjunctivodacryocystorhinostomy, 1026

Race-related variations, sympathetic ophthalmia, 935 Radioactive phosphorus test, choroidal melanoma, size, ac-curacy, 794 Reactive phase, diabetic retinopathy, reticuloendothelial sys-

tem, 400

Reading aids, test kit, partially sighted, 1014

Recession, traumatic angle, glaucoma, 648 Resection, transcutaneous, levator palpebrae superioris muscle operation, clamp, transconjunctival isolation, 533

Reticuloendothelial system, reactive phase, diabetic retinopathy, 400 RETINA, acute pigment epitheliitis, 571

central artery, occlusion, blow-out fracture repair, 538 central, bar-pattern electroretinogram, 121 degeneration, 279

detachment, chorioretinal lesions, 429 experimental, light role, photoreceptor atrophy, 233 extraocular muscle imbalance, surgical treatment, 321 lattice degeneration, 930

oxalosis, diabetics, 189

photocoagulation, diabete optic nerve neovascularization,

pigment epithelial melanin, posttraumatic migration, 251 tears, cryosurgical probing, 411

vascular occlusion, bilateral papilledema, ventriculography, sudden blindness, 275 vein obstruction, branch, internal limiting membrane de-

tachment, 324 Retinoblastoma, aqueous humor lactic acid dehydrogenase, 612

tissue culture cells, cutaneous delayed hypersenitivity re-sponses, standard recall antigens, crude membrane extracts, 40

tissue culture line, cell-mediated immunity, 5 ultrasonographic characteristics, 606

Retinopathy, chloroquine, ring maculopathies, 204

diabetic, blindness, 58

retinculoendothelial system, reactive phase, 400 Retinoscopy technique, aphakic child, infant, operating room

Retraction, congenital, paradoxical, lower eyelid, 1027 Retractor, eyelid, ocular surgery, 328 Retrobulbar neuritis, bilateral, mumps, 331 Ring B chromosome, ocular findings, 624 Ring maculopathies, chloroquine retinopathy, 204

Saccades, hypometric, 1002 Saccadic velocity, active force, orbital blow-out fracture, 665

Schlemm's canal, endothelial tubule, pressure-dependent change, 630 trabecular wall, primary open-angle glaucoma, early stage,

639 Sclera, collapse, prevention, vitrectomy, 337 suppurative conjunctivitis, 856 Sclerocornea, Dandy-Walker cyst, 54

unbalanced translocation (17p, 10q), 49
Sebaceous adenoma, eyelid, visceral malignancy, 252
Senile atrophy, orbicularis oculi muscle, ultrastructural

change, 689 Serum immunoglobulin levels, Navajo children, trachoma, tear, 106

Seven-minute coefficient of outflow, negative findings, 848 Shy-Drager syndrome, ocular signs, 1032 Single frame stereoscopic slit-lamp photography, 856 Sjögren's syndrome, corneal thinning, perforation, 917

Slit-lamp photography, single frame stereoscopic, 8 Snellen visual acuity, stereoscopic perception, 722 Spectacles, microsurgery, 336

Standard recall antigens, retinoblastoma tissue culture cells, cutaneous delayed hypersensitivity responses, crude membrane extracts, 40

Stereoscopic perception; amblyopia screening, 707, 714 Snellen visual acuity, 722

Sterilizer, improved ultraviolet tonometer, 329

Strabismus, incomitant, binocular single vision, visual field evaluation, 800 Stroma, deep involvement, Dimmer's nummular keratitis, 897

Subcapsular cataract, anterior, 972 Sudden visual loss, postsurgical, glaucoma, 1009 Superior oblique muscle, overaction, Georges de La Tour,

Suppurative conjunctivitis, sclera involvement, 856 Supraorbital nerve, malignant neurilemoma, 489

Surgery, canalicular, polyethylene tubing, 725 glaucoma, sudden visual loss, 1009

intracapsular cataract, one-day hospitalization, 967 ocular, eyelid retractor, 328

Surgical chair, microsurgery, hand support rail, 332 Sympathetic ophthalmia, race-related variations, 935 uveitis, corticosteroid therapy, 90 Syndrome, uveitis, virus titer, statistical correlation, 948

Syringe, butterfly needle, corneal irrigation, 334

Tapetoretrinal dystrophy, familial juvenile nephronophthisis, visual system, electrophysiologic study, 591 Tear levels, Navajo children, trachoma, serum immunoglobulin, 106

retinal, cryosurgical probing, 411
Tenon's capsule, nodular fasciitis, conjunctiva, 514
Test kit, reading aids, partially sighted, 1014

Tissue culture cells, retinoblastoma, cutaneous delayed hy-persensitivity responses, standard recall antigens, crude membrane extracts, 40

culture line, retinoblastoma, cell-mediated immunity, 5

Tobramycin, experimental corneal ulcers, 318 Tomography, computerized transaxial, neuro-ophthalmology,

Tonometer sterilizer, improved ultraviolet, 329 Topical fluorescein, ophthalmic ointments, intraocular penetration, 262

Tournay's phenomenon, pupillary inequality. lateral gaze, 449

Toxicity, intravitreal amphotericin B, 77

Trabeculum, wall, Schlemn's canal, primary open-angle glaucoma, early stage, 639

Trachoma, tear and serum immunoglobulin levels, Navajo children, 106

Transaxial tomography, computerized, neuro-ophthalmology, 285

Transconjunctival isolation, transcutaneaous resection, levator palpebrae superioris muscle operation, clamp, 533

Transcutaneous resection, levator palpebrae superioris muscle operation, tranconjunctival isolation, clamp, 533
Translocation (17p, 10q), sclerocornea, unbalanced, 49

Traumatic angle recession, glaucoma, 648 aniridia, 1006

cataract, ultrastructure, 985 Tubule, endothelial, Schlemm's canal, pressure-dependent change, 630

Tumor, benign pigmented, acquired conjunctival melanosis,

Turner's syndrome, Coats' disease, 852

Ulcers, experimental corseal, tobramycin, 318

Ultrasonography, retinoblastoma, 606 vitrectomy, 265

Ultraviolet tonometer sterilizer, improved, 329

Unbalanced translocation, (17p, 10q), sclerocornea, 49 Unilateral high myopia, amblyopia, long-term results, treatment, 397

Uveitis, endogenous, lymphocyte transformation, Bantu-speaking Negroes, 45 intractable idiopathic, chlorambucil, 415

sympathetic, corticosteroid therapy, 90 symdromes, virus titers, statistical correlation, 948 Varicella, benign abducens palsy, 859 Vascular occlusion, retinal, bilateral papilledema, ventricu-

lography, sudden blindness, 275 Vasculature, choroidal, 583 Vein obstruction, branch retinal, internal limiting membrane

detachment, 324

Ventriculography, sudden blindness, bilateral retinal vascular occlusion, papilledema, 275

Virus titer, uveitis syndromes, statistical correlation, 948 Visceral malignancy, sebaceous adenoma, eyelid, 952 Vision, binocular single, visual field, incomitant strabismus,

800 Visual acuity, Snellen, stereoscopic perception, 722 field, binocular single vision, incomitant strabismus, 800 loss, sudden, postsurgical, glaucoma, 1009

system, familial juvenile nephronophthisis, tapetoretinal dystrophy, 591

Vitamin A deficiency, fundus albipunctatus, 926 Vitrectomy, scleral collapse, prevention, 337

ultrasonography, 265

Vitreous humor, nitrous oxide, air, 314

## INDEX

## AUTHORS AND TITLES

## ORIGINAL ARTICLES, NOTES, CASES, INSTRUMENTS

EL, R., JR., BOYLE, G. L., FURMAN, M., and LEOPOLD, I. H.: Intraocular penetration of cefa-zolin sodium in rabbits, 779

zolin sodium in rabbits, 779

ABRAHAM, F. A., YANKO, L., LICHT, A., and VISKOPER, R. J.: Electrophysiologic study of the visual
system in familial juvenile nephronophthisis and tapetoretinal dystrophy, 591

ALBERT, D. M.: See BULLOCK, J. D., 339

ALBERT, D. M.: See HOWARD, R. O., 167

ALBERT, D. M.: See HOWARD, R. O., 167

ALBERT, D. M.: See HOWARD, R. O., 557

ALFANO, J. E.: La Microchirurgia dell'angolo Camerulare,
by D'Ermo, J., and Bonomi, L. (Bk. Rev.), 557

ALLANSMITH, M.: Annual Review of Allergy, by
Frazier, C. A. (Bk. Rev.), 742

ALLANSMITH, M.: Annual Review of Allergy, by Frazier, C. A. (Bk. Rev.), 742
ALLANSMITH, M. R.: See McCLELLAN, B. H., 106
ALVAREZ, M. G.: See DOMINGUES, A., 110
ANDERSON, D. R.: The Eye and Its Disorders, by Trevor-Roper, P. D. (Bk. Rev.), 877
ANDERSON, D. R.: The risks of examining the optic disk

ANDERSON, D. R.: The risks of examining the optic disk (Ed.), 733
APPLE, D. J., FISHMAN, G. A., and GOLDBERG, M. F.: Ocular histopathology of Norrie's disease, 196
APPLE, D. J.: See CROUCH, E. R., Jr., 251
APPLE, D. J.: See VAINISI, S. J., 279
APPLETON, B.: See ROSENTHAL, A. R., 671
APT, L.: See FEMAN, S. S., 222
ARBEL, K. F.: See HILL, D. A., 127
ASHTON, N.: European Ophthalmic Pathology Society Meeting, 342
AZAR, P., SMITH, R. S., and GREENBERG, M. H.:
Ocular findings in disseminated intravascular coagulation, 493

tion, 493

BAKER, H. L., Jr., KEARNS, T. P., CAMPBELL, J. K., and HENDERSON, J. W.: Computerized transaxial tomography in neuro-ophthalmology, 285
BALDWIN, H. A.: See YANNUZZI, L. A., 217
BAÑOS, M. S.: See DOMINGUES, A., 110
BARAKAI, S.: See HYAMS, S. W., 429
BASU, P. K.: Sixteenth Annual Research Meeting of the

Department of Ophthalmology of the University of

Toronto, 863
BATMANOV, Y. E.: See NESTEROV, A. P., 639
BAUM, J. L., and BULL, M. J.: Ocular manifestations of ectrodactyly, ectodermal dysplasia, cleft lip-palate

syndrome, 211 BEARD, C.: Marvin Harold Quickert (Obit.), 346 BECK, B. B.: See VAINISI, S. J., 279 BENNETT, T. O.: See NELSEN, P., 82 BERSON, D.: See MICHAELSON, I. C., 400 BERSON, E. L.: See HILL, D. A., 127

BETTMAN, J. W., Jr., and BETTMAN, J. W., Sr.: One-day hospitalization for intracapsular cataract surgery,

BETTMAN, J. W., JR.: See McCLELLAN, B. H., 106 BETTMAN, J. W., SR.: See BETTMAN, J. W., JR., 967 BLODI, F. C.: Glaukom: Ein Handbuch, by Leydhecker,

W. (Bk. Rev.), 349 BLODI, F. C.: Glaukom in der Praxis. Ein Leitfaden, by

BLODI, F. C.: Glaukom in der Praxis. Ein Leitladen, by Leydhecker, W. (Bk. Rev.), 349
BONGIORNO, F. J., LEAVELL, U. W., and WIRT-SCHAFER, J. D.: The black dot sign and North American cutaneous blastomycosis, 145
BOUÉ, J.: See HOWARD, R. O., 167
BOYLE, G. L.: See ABEL, R., Jr., 779
BRACHA, R.: See LAZAR, M., 530
BROWN, D. V. L.: Your Eyes. A Book for Paramedical Personnel and the Lay Reader, by Chalkley, T. (Bk. Rev.). 350

BROWN, S. I.: See ROSEN, J., 859, 1032
BROWN, S. I.: See TRAGAKIS, M. P., 518
BROWNSTEIN, S.: See FONT, R. L., 972
BUERK, K.: See WALTMAN, S. R., 262
BULL, M. J.: See BAUM, J. L., 211
BULLOCK, J. D., ALBERT, D. M., and RICHMAN,
S. J.: Insect egg keratitis, 339

S. J.: Insect egg keratitis, 339 BULLOCK, J. D., and EGBERT, P. R.: Experimental choroidal folds, 618

BULLOCK, J. D., JAMPOL, L. M., and FEZZA, A. J.:

Two cases of orbital phycomycosis with recovery, 811 BURIAN, H. M.: Georges de La Tour and the overaction of the superior oblique muscle, 999

CALHOUN, J.: See RODRIGUES, M. M., 49
CAMERON, J. D., YANOFF, M., and FRAYER, W. C.:
Coats' disease and Turner's syndrome, 852
CAMPBELL, J. K.: See BAKER, H. L., Jr., 285
CAMPUS, A.: See LAZAR, M., 530
CARL, B.: See SMITH, R. B., 314
CARLIN, R., and HENDERSON, J. W.: Malignant lymphoma of the nasolacrimal sac, 511
CARROLL, R. P.: Symposium on Plastic Surgery in the Region of the Orbit, 342
CARROLL, R. P., and WILKINS, R. B.: Mustardé sutur-

CARROLL, R. P., and WILKINS, R. B.: Mustardé sutur-

ing forceps, 860
CHALKLEY, T. H. F.: See MARCH, W. F., 54
CHANDRA, S. R., GRAGOUDAS, E. S., FRIEDMAN,
E., VAN BUSKIRK, E. M., and KLEIN, M. L.: Natural history of disciform degeneration of the macula,

CHAR, D. H., and HERBERMAN, R. B.: Cutaneous delayed hypersensitivity responses of patients with retino-

layed hypersensitivity responses of patients with retino-blastoma to standard recall antigens and crude mem-brane extracts of retinoblastoma tissue culture cells, 40 CHAR, D. H., ELLSWORTH, R., RABSON, A. S., ALBERT, D. M., and HERBERMAN, R. B.: Cell-mediated immunity to a retinoblastoma tissue culture line in patients with retinoblastoma, 5 CHARLES, N. C.: See FRIEDMAN, T. H., 189 CHARLES, S., and MACHEMER, R.: Experimental ret-inal detachment in the owl monkey. 11. The role of light in photoreceptor atrophy. 233

light in photoreceptor atrophy, 233
CHRISTENSEN, R. E.: See YEE, R. D., 774
CHOYCE, D. P.: Intra-Ocular Implant Club, 547
CLAHANE, A. C.: See VERONNEAU-TROUTMAN, S.,

CLIFTON, E. C., III, and HANNA, C.: Corneal cryo-preservation and the fate of corneal cells in penetrating

preservation and the late of contract Cass in perservation and the late of contract Cass in perservation (COLEMAN, B. E.: See RADTKE, N. D., 501 COLEMAN, D. J.: See STERNS, G. K., 606 CONTRA, G. F.: See DOMINGUES, A., 110 COWDEN, J., KAUFMAN, H. E., and POLACK, F. M.:

The prognosis of keratoplasty after previous graft

CROUCH, E. R., Jr., and APPLE, D. J.: Posttraumatic migration of retinal pigment epithelial melanin, 251

D

DAROFF, R. B.: See TROOST, B. T., 1002 DAVIDORF, F. H., and LANG, J. R.: Small malignant melanomas of the choroid, 788

DELUCHAT, C.: See HOWARD, R. O., 167
DEUTMAN, A. F.: Acute retinal pigment epithelitis, 571
DEUTMAN, A. F.: Benign concentric annular macular

dystrophy, 384

DOMINGUES, A., BAÑOS, M. S., ALVAREZ, M. G.,
CONTRA, G. F., and QUINTELA, F. B.: Intraocular
pressure measurement in infants under general an-

DREWS, R. C.: First International Course on Pseudophakia, 731 DUEKER, D.: See JAMPOL, L. M., 95

EASTY, D. L.: See MARSH, R. J., 255 EGBERT, P. R.: See BULLOCK, J. D., 618

EGBERT, P. R.: See BULLOCK, J. D., 618
EHRLICH, D.: See NEMET, P., 859
EIFRIG, D. E.: See SEWELL, J. J., 321
EISNER, E.: See FRANTZ, J. F., 295
ELLSWORTH, R.: See CHAR, D. H., 5
ELLSWORTH, R.: See JAKOBIEC, F. A., 24
ELLSWORTH, R. M.: See STERNS, G. K., 606
ELSAS, F. J., GREEN, W. R., and RYAN, S. J.: Benign
pigmented tumors arising in acquired conjunctival elanosis, 229

EMERY, J. M., HUFF, J. D., and JUSTICE, J., JR.: Central retinal artery occlusion after blow-out fracture

repair, 538
ENOCH, J. M.: A rapid, accurate technique for retnoscopy of the aphakic infant or child in the operating room, 335

EPSTEIN, W. V.: See GODFREY, W. A., 415
ERNEST, J. T.: Fluorescein Microangiography of the
Ocular Fundus, by Shimizu, K. (Bk. Rev.), 741
ERNEST, J. T., and STERN, W. H.: Internal limiting

membrane detachment in branch retinal vein obstruction, 324

ERNEST, J. T.: See STERN, W. H., 438 ERNEST, J. T.: See WEITER, J. J., 583

FEIBEL, R. M., and ROPER-HALL, G.: Evaluation of the field of binocular single vision in incomitant stra-

bismus, 800

FEMAN, S. S., APT, L., and ROTH, A. M.: The basal cell nevus syndrome, 222

FERRY, A. P., and SHERMAN, S. E.: Nodular fasciitis of the conjunctiva apparently originating in the fascia bulbi (Tenon's capsule), 514

FEZZA, A. J.: See BULLOCK, J. D., 811
FINE, B. S., TOWNSEND, W. M., ZIMMERMAN,
L. E., and LASHKARI, M. H.: Primary lipoidal degeneration of the cornea, 12

generation of the cornea, 12
FINE, M.: See HOGAN, M. J., 363
FIRAT, T.: Ligneous conjunctivitis, 679
FISHMAN, G. A.: See APPLE, D. J., 196
FOLLMANN, P.: See RADNOT, M., 689
FONT, R. L., and BROWNSTEIN, S.: A light and elec-

tron microscopic study of anterior subcapsular cataracts, 972

racts, 972

FONT, R. L.: See FRANTZ, J. F., 295

FONT, R. L.: See MARAK, G. E., Jr., 935

FOSTER, C. S.: See WALTMAN, S. R., 262

FRANÇOIS, J.: Genetic and Metabolic Eye Disease, by Goldberg, M. F. (ed.) (Bk. Rev.), 558

FRANK, H. R., LANDERS, M. B., III, WILLIAMS, R. J., and SIDBURY, J. B.: A new dominant progressive foveal dystrophy, 903

FRANTZ, J. F., LEMP, M. A., FONT, R. L., STONE, R., and EISNER, E.: Acute endogenous panophthalmitis caused by Clostridium perfringens, 295

FRAYER, W. C.: See CAMERON, J. D., 852

FREEDMAN, J., and SMIT, J. A.: Lymphocyte transformation in Bantu-speaking Negroes with endogenous uveitis, 45 uveitis, 45

FRIEDLAENDAR, R. P.: See LOEWENFELD, I. E.,

FRIEDMAN, A. H., and CHARLES, N. C.: Retinal oxalosis in two diabetic patients, 189
FRIEDMAN, E.: See CHANDRA, S. R., 579
FULLER, D.: Retinal Detachment. The Essentials of Man-

agement, by Chawla, H. B. (Bk. Rev.), 878 FURMAN, M.: See ABEL, R., Jr., 779

GANGITANO, J. L.: See STRONG, L. E., 331
GASSET, A. R., and ZIMMERMAN, T. J.: Posterior
polymorphous dystrophy associated with keratoconus,

GASSET, A. R., ISHII, Y., KAUFMAN, H. E., and MILLER, T.: Cytotoxicity of ophthalmic preservatives,

GERSHEN, H. J.: Polyethylene tubing in canalicular sur-725

GINSBERG, J., and SOUKUP, S.: Ocular findings as-

GINSBERG, J.: and SOUKUP, S.: Ocular findings associated with ring B chromosome, 624
GLICK, E. B.: See LEVY, N. S., 722
GODFREY, W. A., EPSTEIN, W. V., O'CONNOR, G. R., KIMURA, J. S., HOGAN, M. J., and NOZIK, R. A.: The use of chlorambucil in intractable idiopathic uveitis, 415
GOLDBERG, M. F.: See APPLE, D. J., 196
GOLDBERG, M. F.: See SWARTZ, M., 612
GOLDBERG, R. S. SEE WEFFER I. C. 948

GOLDEN, B.: See WEBER, J. C., 948
GOLDHAMMER, Y., SMITH, J. L., and YATES, B. M.:

GOLDHAMMER, Y., SMITH, J. L., and YATES, B. M.:
Mycotic intrasellar abscess, 478
GOLDSTEIN, J. H.: A new muscle clamp, 861
GOOSSENS, W.: See RAFFERTY, N. S., 985
GORN, R. A.: See WAND, M., 143
GRAGOUDAS, E. S.: See CHANDRA, S. R., 579
GRANT, W. M., and WALTON, D. S.: Progressive

changes in the angle in congenital aniridia, with de-

changes in the angle in congenitar anti-tota, with development of glaucoma, 842

GREEN, W. R.: See ELSAS, F. J., 229

GREEN, W. R.: See SOURI, E. N., 77

GREENBERG, M. H.: See AZAR, P., 493

GREENWALD, H. S., Jr., KEENEY, A. H., and SHANNOV. G. M. A serious of 128 nations with orbital NON, G. M.: A review of 128 patients with orbital

fractures, 655 GRINBERG, M. A., and LEVY, N. S.: Malignant neu-

rilemoma of the supraorbital nerve, 489
GUERRY, D., III: Ophthalmic Syndromes, by Nema,
H. V. (Bk. Rev.), 742

## H

HAAS, J. S., and NOOTENS, R. H.: Glaucoma secondary to benign adrenal adenoma, 497
HABEL, A.: See SLOAN, L. L., 1014
HAHN, P. M.: See YEE, R. D., 774
HANNA, C.: See CLIFTON, E. C., 111, 239
HARBIN, T. S., JR., and MAUMENEE, A. E.: Epithelial downgrowth after surgery for epithelial cyst, 1
HENDERSON, J. W.: See BAKER, H. L., JR., 285
HENDERSON, J. W.: See CARLIN, R., 511
HENDERSON, J. W.: See STRONG, L. E., 331
HENKIND, P.: George Helms Wise (Obit.), 871
HERBERMAN, R. B.: See CHAR, D. H., 5, 40
HERBST, R. W.: See SWARTZ, M., 612
HILL, D. A., ARBEL, K. F., and BERSON, E. L.: Cone electroretinograms in congenital nyctalopia with myopia,

electroretinograms in congenital nyctalopia with myopia,

HILLER, R. See KAHN, H. A., 58
HOGAN, M. J.: Anatomic pathologique de l'oeil et de ses annexes, by Offret, G., Dhermy, P., Brini, A., and Bec, P. (Bk. Rev.), 876
HOGAN, M. J.: Scanning Electron Microscopic Studies of the Eye Structure, by Hervouet, F., and Ertus, M.

HOGAN, M. J.: Scanning Electron Microscopic Studies of the Eye Structure, by Hervouct, F., and Ertus, M. (Bk. Rev.), 741
HOGAN, M. J., WOOD, I., and FINE, M.: Fuchs' endothelial dystrophy of the cornea. 29th Sanford Gifford Memorial Lecture, 363
HOGAN, M. J.: See GODFREY, W. A., 415
HOLLENHORST, H. W.: Neuropathology of Vision. An Atlas, by Lindenberg, R., Walsh, F. B., and Sacks, J. G. (Bk. Rev.), 351
HOOVER, G., and WALTMAN, S.: Single frame stereoscopic slit-lamp photography, 855
HOPKINS, J. L.: See ROSENTHAL, A. R., 671
HOUSER, O. W.: See SANDOK, B. A., 137
HOWARD, G. M.: See JAKOBIEC, F. A., 816
HOWARD, R. O., BOUÉ, J., DELUCHAT, C., ALBERT, D. M., and LAHAV, M.: The eyes of embryos with chromosome abnormalities, 167
HOWERTON, E. E., JR.: See RUIZ, R. S., 794
HUFF, J. D.: See EMERY, J. M., 538
HUGHES, W. F.: The 1974 American Ophthalmological Society meeting (Ed.), 148
HUTTON, W. L.: See JACK, R. L., 265
HYAMS, S. W., MEIR, E., IVRY, M., KRAKOWSKI, D., BARKAI, S., JEDWAB, E., and NEUMANN,

E.: Chorioretinal lesions predisposing to retinal detachment, 429

## I-J

ISHII, Y.: See GASSET, A. R., 98
IVRY, M.: See HYAMS, 429
IVRY, M.: See MICHAELSON, I. C., 400
JACK, R. L., HUTTON, W. L., and MACHEMER, R.:
Ultrasonography and vitrectomy, 265
JACOBOWITZ, D.: See PATIL, P. N., 470
JAKOBIEC, F. A.: Fibrous histiocytoma of the corneoscleral limbus, 700

scleral limbus, 700

JAKOBIEC, F. A.: Sebaceous adenoma of the eyelid and visceral malignancy, 952
JAKOBIEC, F. A., ELLSWORTH, R., and TANNEN-BAUM, M.: Primary orbital melanoma, 24
JAKOBIEC, F. A., HOWARD, G. M., JONES, I. S., and WOLFF, M.: Hemangiopericytoma of the orbit,

JAMES, W. A., Jr., and L'ESPERANCE, F. A.: Treat-ment of diabetic optic nerve neovascularization by ex-

ment of diabetic optic nerve neovascularization by ex-tensive retinal photocoagulation, 939

JAMPOL, L. M., KASS, M., DUEKER, D., and AL-BERT, D. M.: Anterior polar cataracts, 95

JAMPOL, L. M.: See BULLOCK, J. D., 811

JEDWAB, E.: See HYAMS, S. W., 429

JOHNSON, C. C.: A canaliculus wire, 854

JOHNSTONE, M. A.: Pressure-dependent changes in con-formation of the probabilal tubules of Schlemm's

figuration of the endothelial tubules of Schlemm's canal, 630

JONES, B. R.: See MARSH, R. J., 255 JONES, I. S.: See JAKOBIEC, F. A., 816 JUNGSCHAFFER, O. H.: Spectacles for microsurgery,

JUSTICE, J., JR.: See EMERY, J. M., 538 JUSTICE, J., JR.: See YANNUZZI, L. A., 217

KAHN, H. A., and HILLER, R.: Blindness caused by diabetic retinopathy, 58
KASS, M.: See JAMPOL, L. M., 95
KATOWITZ, J. A.: See KAY, M. L., 90
KAUFMAN, H. E.: See COWDEN, J., 523
KAUFMAN, H. E.: See GASSET, A. R., 98
KAUFMAN, J. H., and TOLPIN, D. W.: Glaucoma after traumatic angle recession. A tenyage regenerative study.

traumatic angle recession. A ten-year prospective study, 648

KAY, M. L., YANOFF, M., and KATOWITZ, J. A.:
Development of sympathetic uveitis in spite of corticosteroid therapy, 90
KEANE, J. R.: Sudden blindness after ventriculography.
Bilateral retinal vascular occlusion superimposed on

papilledema, 275

KEARNS, T. P.: See BAKER, H. L., Jr., 285

KEENEY, A. H.: Industrial and Occupational Ophthalmology, by Fox, S. L. (Bk. Rev.), 152

KEENEY, A. H.: Ophthalmology and Rehabilitation Symposium, 730 posium, 730

posium, 730

KEENEY, A. H.: See GREENWALD, H. S., Jr., 655

KEENEY, A. H.: See TROBE, J. D., 1006

KENYON, K. R., and SENSENBRENNER, J. A.: Electron microscopy of cornea and conjunctiva in child-hood cystinosis, 68

EMILIDA I S. See GODFREY, W. A., 415

hood cystinosis, 68
KIMURA, J. S.: See GODFREY, W. A., 415
KLEIN, M. L.: See CHANDRA, S. R., 579
KNOBLOCH, W. H.: See SEWELL, J. J., 321
KNOX, D. L.: Uvetitis: Immunlogic and Allergic Phenomena, by Campinchi, R., Faure, J. P., Bloch-Michel, E., and Haut, J. Translated by Golden, B., and Givoiset, M. (Bk. Rev.), 556
KRACHMER, J. H., and LAIBSON, P. R.: Corneal thinning and perforation in Sjögren's syndrome, 917
KRAKOWSKI, D.: See HYAMS, S. W., 429
KRASNOV, M. M.: Extrapupillary iris lens in aphakia, 541

KULICK, C.: See TATE, G. W., Jr., 726

LAHAV, M.: See HOWARD, R. O., 167 LAIBSON, P. R.: See KRACHMER, J. H., 917 LANDERS, M. B., III: See FRANK, H. R., 903

LANG, J. R.: See DAVIDORF, F. H., 788 LASHKARI, M. H.: See FINE, B. S., 12 LAVIOLA, F. N.: Corneal irrigation using a syringe and

a butterfly needle, 334

LAWWILL, T.: The bar-pattern electroretinogram for clinical evaluation of the central retina, 121

LAYDEN, W. E., and SHAFFER, R. N.: Exfoliation syndrome, 835 LAZAR, M., NEMET, P., BRACHA, R., and CAMPUS,

LAZAR, M., NEMET, P., BRACHA, R., and CAMPUS, A.: Mycobacterium fortuitum keratitis, 530

LAZAR, M.: See NEMET, P., 859

LEAVELL, U. W.: See BONGIORNO, F. J., 145

LEBENSOHN, J. E.: Peter Parker and the Opening of China, by Gulick, E. V. (Bk. Rev.), 154

LEBENSOHN, J. E.: Suppurative conjunctivitis with scleral involvement, 856

LEMP, M. A.: See FRANTZ, J. F., 295

LEOPOLD, I. H.: Advances in ocular therapy: noncortico-steroid anti-inflammatory agents. Fifth Annual Jules Stein Lecture, 759

LEOPOLD, I. H.: Consolidation of United States Phar-macopeia and National Formulary (Ed.), 734 LEOPOLD, L. H.: Ocular Inflammatory Disease, by Golden,

B. (Bk. Rev.), 557
LEOPOLD, I. H.: See ABEL, R., Jr., 779
L'ESPERANCE, F. A.: See JAMES, W. A., Jr., 939
LEVENE, R. Z., ROTHBERGER, M., and ROSEN-BERG, S.: Cortocosteroid glaucoma in the rabbit, 505
LEVY, N. S., and GLICK, E. B.: Stereoscopic perception

LEVY, N. S., and GLICK, E. B.: Stereoscopic perception and Snellen visual acuity, 722 LEVY, N. S., and TOSKES, P. P.: Fundus albipunctatus and vitamin A deficiency, 926 LEVY, N. S.: See GRINBERG, M. A., 489 LEWIS, R. G.: See WOLTER, J. R., 727 LICHT, A.: See ABRAHAM, F. A., 591 LICHTER, P. R., and RAVIN, J. G.: Risks of sudden visual loss after glaucoma surgery, 1009 LINN, I. G. In.: See SMITH, R. B., 314

LINN, J. G., Jr.: See SMITH, R. B., 314 LOEWENFELD, I. E., and ROSSKOTHEN, H. D.: In-frared pupil camera. A new method for mass screening and clinical use, 304

LOEWENFELD, I. E., FRIEDLAENDAR, R. P., and McKINNON, P. F. M.: Pupillary inequality associated with lateral gaze (Tournay's phenomenon),

MACHEMER, R.: Automated ophthalmoscope hanger for the operating room, 534
MACHEMER, R., and UFFENORDE, T.: Hand support

MACHEMER, R., and UFFENORDE, T.: Hand support rail and surgical chair for microsurgery, 332

MACHEMER, R.: See CHARLES, S., 233

MACHEMER, R.: See JACK, R. L., 265

MADSON, E.: See METZ, H. S., 665

MANLEY, D.: See POLLARD, Z. F., 397

MARAK, G. E., JR., FONT, R. L., and ZIMMERMAN, L. E.: Histologic variations related to race in sympathetic ophthalmia, 935

MARCH, W. F., and CHALKLEY, T. H. F.: Sclerocornea associated with Dandy-Walder cyst, 54

MARCH, W.: See RAFFERTY, N. S., 985

MARSH. R. J., EASTY, D. L., and JONES, B. R.: Iritis and iris atrophy in herpes zoster ophthalmicus, 255

MAUMENEE, A. E.: See HARBIN, T. S., JR., 1

MCCLELLAN, B. H., BETTMAN, J. W., JR., and ALLANSMITH, M. R.: Tear and serum immunoglobulin levels in Navajo children with trachoma, 106

MCKINNON, P. F. M.: See LOEWENFELD, I. E., 449

MCPHERSON, S. D., JR.: Frederick William Stocker (Obit.), 1043

MCPHERSON, S. D., JR.: Frederick William Stocker (Obit.), 1043 MCPHERSON, S. D., JR.: See PURNELL, W. D., 318 MEIR, E.: See HYAMS, S. W., 429 METZ, H. S., SCOTT, W. E., MADSON, E., and SCOTT, A. B.: Saccadic velocity and active force studies in blow-out fractures, of the orbit, 665 MEYER, R. F., SULLIVAN, J. H., and OH, J. O.: Wymae conjunctivitis 1022

Mumps conjunctivitis, 1022
MICHAELSON, I. C., YANKO, L., BERSON, D., and IVRY, M.: The reactive phase of diabetic retinopathy and the role of the reticuloendothelial system, 400 MILLER, T.: See GASSET, A. R., 98

MORSE, P. H.: Lattice degeneration of the retina and retinal detachment, 930 MUNCY, D. W.: See RODRIGUES, M. M., 1024

NELSEN, P., PEYMAN, G. A., and BENNETT, T. O.: NELSEN, P., PEYMAN, G. A., and BENNETT, T. O.:
BB-K8: A new aminoglycoside for intravitreal injection in bacterial endophthalmitis, 82

NEMET, P., EHRLICH, D., and LAZAR, M.: Benign
abducens palsy in varicella, 859

NEMET, P.: See LAZAR, M. 530

NEMOTO, E.: See SMITH, R. B., 314

NESTEROV, A. P., and BATMANOV, Y. E.: Trabecular

wall of Schlemm's canal in the early stage of primary

open-angle glaucoma. 639
NEUMANN, E.: See HYAMS, S. W., 429
NEWELL, F. W.: American Academy of Ophthalmology and Otolaryngology 1974 (Ed.), 1041
NEWELL, F. W.: An eyelid retractor for ocular surgery, 128

328
NEWELL, F. W.: Eye Surgery, 5th ed., by Stallard,
H. B. (Bk. Rev.), 351
NEWELL, F. W.: National Eye Institute 1974 (Ed.), 344
NEWELL, F. W.: To Make You See: Yank Ulmer's
Crusade, by Havener, W. M. (Bk. Rev.), 153
NEWELL, F. W: The XXII International Congress—
Page 1024 (Ed.) 550

Paris 1974 (Ed.), 550

Paris 1974 (Ed.), 550
NICKEL, J. R.: See SOLOMON, S. M., 806
NOOTENS, R. H.: See HAAS, J. S., 497
NORTON, E. W. D.: Club Jules Gonin, 545
NOZIK, R. A : See GODFREY, W. A., 415
O'CONNOR, G. R.: See GODFREY, W. A., 415
O'CONNOR, P. R.: Cryosurgical probing of retinal tears,

ODEH-NASRALA, N.: See YEE, R. D., 1027 OH. J. O.: See MEYER, R. F., 1022 OKUMOTO, M.: See SMOLIN, G., 921

PATIL, P. N., and JACOBOWITZ, D.: Unequal accumulation of adrenergic drugs by pigmented and nonpigmented iris, 470

mented tris, 4/0
PEYMAN, G. A.: See NELSEN, P., 82
PEYMAN, G. A.: See VLCHEK, J. K., 598
PHELPS, C. D.: Iowa Eye Association Meeting, 548
PODOS, S.: Color Atlas of Gonioscopy, by Kimura, R.
(Bk. Rev.), 1047

POHJANPELTO, P. E. J.: A simple method of photo-congulation through the Goldmann contact glass, 540 POKORNY, J.: Sight and Mind. An Introduction to Visual Perception, by Kaufman, L. (Bk. Rev.), 1048

POLACK, F. M.: Glaucomas Hipertensiones Oculares, by Simon, J. M. (Bk. Rev.). 743
POLACK, F. M.: See COWDEN, J., 523
POLLARD, Z. F., and MANLEY, D.: Long-term results in the treatment of unilateral high myopia with amburnies 207 blyopia, 397

POLOMENO. R. C.: See ROGERS. G. L., 526

PORTNEY, G. L., and SOUSA, F. J.: Negative findings on the seven-minute coefficient of outflow, 848 PRICE, J.: See WIZNIA, R. A., 236 PURNELL, W. D., and McPHERSON, S. D., JR.: An

evaluation of tobramycin in experimental corneal ulcers, 318

PUTTERMAN, A. M.: A clamp for the transconjunctival isolation and transcutaneous resection of the levator

palnebrae superioris muscle operation. 533 PUTTERMAN, A. M: Fixation of Pyrex tubes in conjunctivodacryocystorhinostomy, 1026

QUINTELA, F. B.: See DOMINGUES, A., 110

RAAB, E. L.: Limitation of motility after periocular corticosteroid injection, 996

RABSON, A. S.: See CHAR, D. H., 5
RADNOT, M., and FOLLMANN, P.: Ultrastructural changes in senile atrophy of the orbicularis oculi

RADTKE, N. D., and COHAN, B E.: Intraocular pressure measurement in the newborn. 501 RAFFERTY, N. S., GOOSSENS, W., and MARCH,

W. F.: Ultrastructure of human traumatic cataract, 985 RAMIREZ-LASSEPAS, M.: See SANDOK, B. A., 137 RAVADGE, F.: See SLOAN, L. L., 1014 RAVIN, J. G.: LICHTER, P. R., 1009 READ, J. E.: Equipment case for ocular examination

equipment, 338

REICHLE, K.: See STOCKER, F. W., 893
REINECKE, R. D., and SIMONS, K.: A new stereoscopic test for amblyopia screening, 714
REINECKE, R. D.: See SIMONS, K., 707
RICHMAN, S. J.: See BULLOCK, J. D., 339
RODRIGUES, M. M., CALHOUN, J., and WEINREB,

S.: Sclerocornea with an unbalanced translocation (17p, 100). 49

RODRIGUES, M. M., WEISS, C. B., and MUNCY, D. W.: Ophthalmomyiasis of the eyelid caused by Cuterebra larva, 1024
ROGERS, G. L., and POLOMENO, R. C.: Autosomal-

dominant inheritance of megalocornea associated with

Down's syndrome, 526
ROPER-HALL, G.: See FEIBEL, R. M., 800
ROSEN, J., and BROWN, S. I.: New ocular signs in ShyDrager syndrome, 1032

Drager syndrome, 1032
ROSEN, J., and BROWN, S. I.: A simple moist chamber, 859
ROSEN, J.: See TRAGAKIS, M. P., 518
ROSENBERG, S.: See LEVENE, R. Z., 505
ROSENTHAL, A. R., APPLETON, B., and HOPKINS, J. L.: Intraocular copper foreign bodies, 671
ROSSKOTHEN, H. D.: See LOEWENFELD, I. E., 304
ROTH, A. M.: See FEMAN, S. S., 222
ROTHBERGER, M.: See LEVENE, R. Z., 505
RUIZ, R. S. and HOWERTON, F. E., IR: Choroidal

nelanoma size and accuracy with the radioactive phosphorus test, 794 RUIZ, R. S., and HOWERTON, E. RUMELT, M.: A light-emitting diode for use as a fixation

device, 537 RUMELT, M. B.: A simplified technique for anterior

segment fluorescein angiography, 1029 RYAN, S. J.: See ELSAS, F. J., 229

SANDBERG, J. S.: Tenth Annual Bascom Palmer Eye Institute Residents' Day. 1034 SANDOK, B. A., TRAUTMANN, J. C., RAMIREZ-LASSEPAS. M., SUNDT, T. M., Jr., and HOUSER,

W.: Clinical-angiographic correlations in amaurosis fugax, 137

fugax, 137 SCHLAEGEL, T. F., Jr.: See WEBER, J. C., 948 SCHUDEL DAVANOFF. S.: See VÉRONNEAU-SCHUDEL-DAYANOFF, TROUTMAN, S., 117
SCOTT, A. B.: See METZ, H. S., 665
SCOTT, W. E.: See METZ, H. S., 665
SENELICK, R. C., and VAN DYK, H. J. L.: Chromo-

phobe adenoma masquerading as cortiscosteroid-responsive optic neuritis, 485 SENSENBRENNER, J. A.: See KENYON, K. R.

SEWELL, J. J., KNOBLOCH, W. H., and EIFRIG, D. E.: Extraocular muscle imbalance after surgical treatment for retinal detachment. 321

SHANNON, G. M.: See GREENWALD, H. S., Jr., 655 SHAFFER. R. N.: See LAYDEN. W. E., 835 SHERMAN, S. E.: Evaluation of an improved ultraviolet

tonometer sterilizer, 328

SHERMAN, S. E.: See FERRY. A. P., 514 SHOCH. D.: American Medical Association Section of

SHOCH. D.: American Medical Association Section of Onthalmology, 544
SIDBURY. J. B.: See FRANK, H. R., 903
SIMONS, K., and REINECKE, R. D.: A reconsideration of amblyopia screening and stereopsis, 707
SIMONS, K.: See REINECKE, R. D., 714
SLOAN, L. L., HABEL, A., and RAVADGE. F.: Basic test kit for selection of reading aids for the partially sighted. 1014
SMIT. J. A.: See FREEDMAN, J. 45

A.: See FREEDMAN, J.

SMITH, J. A.: See FREEDMAN, J., 45
SMITH, J. L.: See GOLDHAMMER, Y., 478
SMITH, R. B., CARL, B., LINN, J. G., JR, and NE-MOTO, E.: Effect of nitrous oxide on air in vitreous,

SMITH. R. S.: See AZAR, P., 493 SMOLIN, G., TABBARA, K., and OKUMOTO, M.:

Guinea pig herpes simplex keratitis treated with a lymphocyte extract, 921

SNYDACKER, D.: Physiological Optics, by Campbell, C. J., Koestner, C. J., Rittler, M. C., and Tackaberry, R. B. (Bk. Rev.), 1047
SOLOMON, S. M., and NICKEL, J. R.: Pancreatic islet

cell carcinoma metastatic to the eyes, 806 SOUKUP, S.: See GINSBERG, J., 624 SOURI, E. N., and GREEN, W. R.: Intravitreal ampho-

tericin B toxicity, 77
SOUSA, F. J.: See PORTNEY, G. L., 848
SPINAK, M.: Portable tray for microbiologic and cyto-

logic examination, 857

SPIVEY, B. E.: Eye Muscle Problems in Childhood. A Manual for Parents, by Windsor, C. E., and Hurtt, J.

(Bk. Rev.), 1048 SPIVEY, B. E.: Ophthalmology: Principles and Concepts, 3rd ed., by Newell, F. W., and Ernest, J. T. (Bk. Rev.), 349

STENSTROM, W. J.: See TATE, G. W., Jr., 726 STERN, W. H., and ERNEST, J. T.: Microsphere oc-clusion of the choriocapillaris in rhesus monkeys, 438

STERN, W. H.: See ERNEST, J. T., 324
STERNS, G. K., COLEMAN, D. J., and ELLSWORTH,
R. M.: The ultrasonographic characteristics of retino-

blastoma, 606 STOCKER, F. W., and REICHLE, K.: Theodor Leber

and the endothelium of the cornea, 893
STOHLER, T.: See VÉRONNEAU-TROUTMAN, S., 117
STONE, R.: See FRANTZ, J. F., 295
STRONG, L. E., HENDERSON, J. W., and GANGITANO, J. L.: Bilateral retrobulbar neuritis secondary to mumps, 331

SULLIVAN, J. H.: See MEYER, R. F., 1022 SUNDT, T. M., JR.: See SANDOK, B. A., 137 SWARTZ, M., HERBST, R. W., and GOLDBERG, M. F.: Aqueous humor lactic acid dehydrogenase in

retinoblastoma, 612

TABBARA, K.: See SMOLIN, G., 921
TANNENBAUM, M.: See JAKOBIEC, F. A., 24
TATE, G. W., Jr., STENSTROM, W. J., and KULICK,
C.: A molded silicone nosepiece for children's eye-

glasses, 726
TAYLOR, D. M.: Expulsive hemorrhage, 961
THYGESON, P.: The Agent of Trachoma, by Becker, Y.
In Monographs in Virology, vol. 7, by Melnick, J. L.

In Monographs in Virology, vol. 7, by Melnick, J. L. (ed.), 878

TOLPIN, D. W.: See KAUFMAN, J. H., 648

TOSKES P. P.: See LEVY N. S., 926

TOWNSEND, W. M.: See FINE, B. S., 12

TRAGAKIS, M. P., ROSEN, J., and BROWN, S. I.:

Transplantation of the perforated cornea, 518

TRAUTMANN, J. C: See SANDOK, B. A., 137

TROBE, J. D., and KEENEY, A. H.: Traumatic aniridia, 1006

TROOST, B. T., WEBER, R. B., and DAROFF, R. B.: Hypometric saccades, 1002

UFFENORDE, T.: See MACHEMER, R., 332 VAINISI, S. J., BECK, B. B., and APPLE, D. J.: Retinal degeneration in a baboon, 279

VALENTON, M. J.: Deep stromal involvement in Dim-

mer's nummular keratitis, 897
VAN BUSKIRK, E. M.: See CHANDRA, S. R., 579

VAN DYK, H. J. L.: See SENELICK, R. C., 485 VÉRONNEAU-TROUTMAN, S., SCHUDEL-DAYAN-OFF, S., STOHLER, T., and CLAHANE, A. C.: Conventional occlusion vs. pleoptics in the treatment

Conventional occlusion vs. pleoptics in the treatment of amblyopia, 117 VISKOPER, R. J.: See ABRAHAM, F. A., 591 VLCHEK, J. K., and PEYMAN, G. A.: An ultrastruc-tural study of chorioretinal adhesion produced by in-traocular electrocoagulation, 598 VON NOORDEN, G. K.: Secnd Congress of the Inter-ational Strabismological Association, 548

WALTMAN, S. R., BUERK, K., and FOSTER, C. S.: Effects of ophthalmic ointments on intraocular penetration of topical fluorescein in rabbits and man, 262 WALTMAN, S.: See HOOVER, G., 855 WALTON, D. S.: See GRANT, W. M., 842 WAND, M., and GORN, R. A.: Cholesterolosis of the

anterior chamber, 143

WEBER, J. C., SCHLAEGEL, T. F., JR., and GOLDEN, B.: Statistical correlation of uveitis syndromes with virus titers, 948

WEBER, R. B.: See TROOST, B. T., 1002 WEINREB, S.: See RODRIGUES, M. M., 49 WEISE, E. E., and YANNUZZI, L. A.: Ring maculo-

pathies mimicking chloroquine retinopathy, 204

WEISS, C. B.: See RODRIGUES, M. M., 1024 WEISS, I. S.: Hirsutism after chronic administration of acetazolamide, 327

acetazolamide, 327
WEITER, J. J., and ERNEST, J. T.: Anatomy of the choroidal vasculature, 583
WILKINS, R. B: See CARROLL, R. P., 860
WILLIAMS, R. J.: See FRANK, H. R., 903
WIRTSCHAFER, J. D.: See BONGIORNO, F. J., 145
WIZNIA, R. A., and PRICE, J.: Recovery of vision in association with a melanocytoma of the optic disk, 236
WOLFF, M.: See JAKOBIEC, F. A., 816
WOLTER, J. R., and LEWIS, R. G.: Endovascular hemangioendothelioma of the cyclid, 727
WOOD, L.: See HOGAN, M. I., 363

WOOD, I.: See HOGAN, M. J., 363 WOOD, T. O.: Prevention of scleral collapse during vitrectomy, 337

YANNUZZI, L. A., JUSTICE, J., JR, and BALDWIN, H. A.: Effective differences in the formulation of in-

H. A.: Effective differences in the formulation of intravenous fluorescein and related side effects, 217 YANNUZZI, L. A.: See WEISE, E. E., 204 YANKO, L.: See MICHAELSON, I. C., 400 YANKO, L.: See MICHAELSON, I. C., 400 YANOFF, M.: See CAMERON, J. D., 852 YANOFF, M.: See KAY, M. L., 90 YATES, B. M.: See GOLDHAMMER, Y., 478 YEE, R. D., and ODEH-NASRALA, N.: Congenital, paradoxical retraction of the lower eyelid, 1027 YEE, R. D., HAHN, P. M., and CHRISTENSEN, R. E.: Medication monitor for ophthalmology, 774 ZIMMERMAN, L. E.: See FINE, B. S., 12 ZIMMERMAN, L. E.: See MARAK, G. E., JR., 935 ZIMMERMAN, T. J.: See GASSET, A. R., 535

## ABSTRACT INDEX

Accumulation, lacrimal gland, et Ga, 884 Acetazolamide, metabolic acidosis, intraocular pressure, in-hibition, carbonic anhydrase, 353

Acidosis, metabolic, intraocular pressure, inhibition, carbonic anhydrase, acetazolamide, 353
Acquired intermittent Brown's syndrome, 886

pendular nystagmus, oscillopsia, multiple sclerosis, cerebellar nuclei disease, 750

Active agents, surface, cataract, 1051 Acuity, visual, head orientation, meridional variation, 162 Acute angle block glaucoma, primary, prophylaxis, partner eye, 884
Optic neuropathy, diphenylhydantoin therapy, 561
Adenovirus type 19, keratoconjunctivitis, 565

Agnosia-prosopagnosia, visual, 880

Albino, visual system anomaly evidence, asymmetric visually evoked potentials, 882

Alcoholic mother, congenital malformation, offspring, 357 Alternating Horner syndrome, 881

nystagmus, periodic, downward beating, 745 Anesthesia, ketamine, halothane, intraocular tension, nonglaucomatous children, 356

ocular pressure, children, 561 neurysm, posterior communicating artery, oculomotor Aneurysm, posterior paresis, 750

third nerve function, surgery, 748
retinal capillary, glaucoma, 564
Angiography, vertebral, transient midbrain syndromes, 884 de, anterior chamber, cataract extraction, uncomplicated, 356

block glaucoma, primary acute, prophylaxis, partner eye, 884

recession, secondary glaucoma, 158

Anhydrase, carbonic, acetazolamide, metabolic acidosis, in-traocular pressure, inhibition, 353

Anomaly, vascular, orbit, 1056 visual system, evidence, asymmetric visually evoked po-tentials, albinos, 882

Anterior chamber, epithelialization, prosthokeratoplasty com-plication, 156

ngle, cataract extraction, uncomplicated, 356

Antibody, ocular melanomas, immunofluorescent detection, 881 Antigen, soluble melanoma, ocular malignant melanoma, cutaneous delayed hypersensitivity reactions, 886

Antral balloon, ocular hypertension, 746
Aplasia, red blood cell, pure, diphenylhydantoin, 749
Apparatus, outflow, graded levels, intraocular pressure, light,

scanning microscopy, 1051 Aqueous humor lipoproteins, immunological determination,

561 Argon laser, diabetic maculopathy, 747

Artery, posterior communicating, oculomotor paresis, aneurysm, 750

Asymmetric visually evoked potentials, albinos, visual sys-tem anomaly evidence, 882

Asymptomatic retinal breaks, 1050 ATROPHY, choroidal, senile, 746

optic, children, diiodohydroxyquin, 355

diabetes mellitus, 1049

diiodohydroxyquin, 751

unilateral optic, retrobulbar neuritis, visual perception delay, 746

Bacteria, corneal ulcers, early diagnosis, 354

Balloon, antral, ocular hypertension, 746
Behçet's disease, chlorambucil therapy, long-lasting remission, 563

Benign intracranial hypertension, 1050 clinical, radiological features, 1050 Bietti's corneal degeneration, 562

Bilateral homonymous hemianopsia, central vision preservation, 885

Biologic response, pilocarpine, cornea, 1052

Bladder cancer, ocular metastasis, 751 Blebs, filtering, treatment, late endophthalmitis, 354 Blepharoplasty, eye complications, 1055

Blindness, diidohydroxyquin (Diodoquin), 751

Blood-aqueous barrier, prostaglandin E2, site of action, 159 Blood vessels, intravitreal, experimental model, 1052

Blood vessels, intravitreal, experimental model, 1052
Brain, acute viral infections, papilledema, 885
computerized x-ray scanning, 750
Brainstem, glioma, myokymia, facial contraction, 1049
infarction, see-saw nystagmus, 1053
Branch, retinal vein obstruction, classification, 357
vein occlusion, temporal retinal, 358
Breaks, retinal, asymptomatic, 1050

detachment, 1049 prophylactic cryoretinopexy, 1049 Brown deposits, lens, diazepam, 564

Brown's syndrome, acquired intermittent, 886

Calcification, corneal, hyperparathyroidism, 562 Calcium oxalate retinopathy, oxalosis, crystal deposits, 564 Cancer, bladder, ocular metastasis, 751

Capillary aneurysms, retinal, glaucoma, 564 Carbonic anhydrase, acetazolamide, metabolic acidosis, in-

traocular pressure, inhibition, 353 Carotid stenosis, ocular pulse analysis, 746

CATARACT, corticosteroid-associated, nephrotic syndrome, 1053

extraction, uncomplicated, anterior chamber angle, 356 microwave, 749 surface active agents, 1051

surgery, congenital, retinal detachment, 747 infantile, chronic intraocular inflammation, 1053

Cell, visual, outer segment membranes, biogenesis, renewal, 563

Central serous choroidopathy, nontreatment, 156 vision, high myopia, contact lens, 748

preservation, bilateral homonymous hemianopsia, 885 Cerebellar nuclei disease, acquired pendular nystagmus, oscillopsia, multiple sclerosis, 750

Cerebrum, pseudotumor, 745

Cereoram, pseudoumor, 445
CHILDREN, alcoholic mother, congenital malformation, 357
anesthesia, ocular pressure, 561
diiodohydroxyquin therapy, optic atrophy, 355
mentally handicapped, eye defects, 748
nonglaucomatous, ketamine, halothane anesthesia, intraocular tension, 356

orbital rhabdomysarcoma, 1056

toxic optic neuritis, clioquinol ingestion, 356 Childhood, strabismus, late-onset diplopia, 1056 Chlamydia organisms, therapy, diseases, 355 Chlorambucil therapy, Behçet's disease, 563 Chloroquine, retinal pigment epithelium, protein synthesis,

in vitro inhibition, 160

Choroid malignant melanoma, hematoporphyrin derivative fluorescence, 564 melanoma, orange pigment, 354

retina, Histoplasma capsulatum, 156 senile atrophy, 746

Chronidopathy, central serous, nontreatment, 156 Chromophore, visual pigment, color, 159 Chronic intraocular inflammation, infantile cataract surgery, 1053

Ciliary body, selective destruction, pigmented epithelium, 566

Clefting syndrome, hyalo-retinopathy, 748

Clioquinol ingestion, child, toxic optic neuritis, 356 Coats' disease, 881

Color, visual pigment chromophore, 159 Communicating aneurysms, posterior, third nerve function,

surgery, 748
hydrocephalus, papilledema, 1049
Compression, lacrimal sac inverted papilloma, maxillary

sinus, 1055

Computerized x-ray scanning, brain, 750 Cone, signals, rod, 566 CONGENITAL cataract surgery, retinal detachment, 747 eversion, primary, eyelids, 353

glaucoma, follow-up examination, 356 hemangioma, orbit, eyelid, 357 malformation, offspring, alcoholic mother, 357 Conjugate eye movements, torsional, pupillary light stimula-Conjunctivitis, Newcastle disease, subepithelial infiltrates, 562

Contact lens, central vision, high myopia, 748 Contraction, facial, brainstem glioma, myokymia, 1049 Contralateral eye, primary acute angle block glauc

Contralateral eye, primary acute angle block glaucoma, prophylaxis, 884

CORNEA, biologic response, pilocarpine, 1052 calcification, hyperparathyroidism, 562

cryopreservation, trypane blue stain, 565 degeneration, Bietti's, 562 encephalitozoonosis. (nosematosis) 562

encephalitozoonosis, (nosematosis), 562

encepnatitozoonosis, (nosematosis), 562 improved storage, 160 macular dystrophy, cytochemical study, 563 opacity, microphthalmia, mental retardation, microen-cephaly, generalized muscular spasticity, hypergly-cinemia, 749

Pseudomonas aeruginosa, 160

ulcers, bacterial, early diagnosis, 354 wound healing, epithelial, endothelial interactions, 1052 Cortex, primary visual, topography, variability, 750

Corticosteroid, oral, ocular myasthenia gravis, 1055 associated catract, nephrotic syndrome, 1053

Cranial nerve, sixth, sympathetic intracranial pathway, 161 Cryopreservation, corneal, trypane blue stain, 565 Cryoretinopexy, prophylactic, retinal breaks, 1049

Cryosurgical retinal reattachment effects, subretinal pigment migration, 561

Crystal deposits, calcium oxalate retinopathy, oxalosis, 564 Cyclic oculomotor paralysis, 161

Cyclopia, 13/14 translocation, partial trisomy 13, 1051 Cytology, ocular, rapid stain, 1054

D

Dacryocystorhinostomy, endonasal, 1050 Deafness, sensorineural, usilateral nevus of Ota, 745

Degeneration, Bietti's corneal, 562 inherited retinal, light intensity discrimination, 1056 retinal, vitamin E, vitamin A deficiencies, 883

Delayed contralateral hemiparesis, herpes zoster ophthalmicus, 749 hypersensitivity reactions, cutaneous, soluble melanoma

antigen, ocular malignant melanoma, 886

Detachment, retinal, breaks, 1049 congenital cataract surgery, 747 pigmentary glaucoma, 880 surgery, failure, 157

Diabetes, mellitus, optic atrophy, 1049 muscular exercise, plasma level, growth hormone, 1054 simple glaucoma, ocular tension, 157

Diabetic maculopathy, argon laser, 747

retinopathy, evolution, pathogenesis, treatment, 155 maculopathy, 747
Diagnosis, early, bacterial corneal ulcers, 354
Diagnosic intensities, ultrasound, 564
Dialysis, retinal, 158

Diazepam, brown deposits, lens, 564 Diddohydroxyquin (Diodoquin), blindness, 751 optic atrophy, 751 children, therapy, 355

Diphenylhydantoin,

acute optic neuropathy, 561 pure RBC aplasia, 749 Diplopia, late onset, childhood-onset strabismus, 1054 Discrimination, visual, 161

Disease, external, immunological properties, 355

Chlamydia organisms, therapy, 355

Disk, nasal titling, temporal field defects, 162

Dominant inheritance, electron microscopic observations, retinitis pigmentosa, 882

Downheat hystermuse, mechanism, 254 Downbeat nystagmus, mechanism, 354

Downward beating nystagmus, periodic alternating, 745 Dysfunction, periaqueductal (Sylvian aqueduct syndrome), hydrocephalus, 160

Dystrophy, macular, cornea, cytochemical study, 563 retina, pigment epithelium, 159

Eczema, periorbital, iatrogenic disease, 356

Electron microscopy retinitis pigmentosa, dominantly inherited, 882

Encephalitozoonosis (nosematosis), cornea, 562 Encirclement, prophylactic, 157

Endonasal dacryocystorhinostomy 1050

Endophthalmitis, late, filtering blebs, treatment, 354 Endothelium, epithelial interactions, corneal wound healing,

1052

Enophthalmos, deep supratarsal sulcus, posterior subperiosteal glass bead implantation, 747
Enzyme, cornea-destroying, Pseudomonas aeruginosa, 160
Epithelium, endothelial interaction, corneal wound healing,

1052 infiltrates, Newcastle disease conjunctivitis, 562

pigmented, selective destruction, ciliary body, 566 Epithelialization, anterior chamber, prosthokeratoplasty complication, 156

Eversion, primary congenital, eyelids, 353 Exercise, muscular, plasma level, growth hormone, diabetics, 1054

Exfoliation, senile, lens, iris, 748
Experimental iridotomies, iris wounds, suturing, 880
Eye defects, mentally handicapped children, 748
movement, Pulfrich phenomenon, 566

torsional conjugate, pupillary light stimulation, 883 Eyelid, congenital hemangioma, orbit, 357 primary congenital eversion, 353

Facial contraction, brainstem glioma, myokymia, 1049 Filtering blebs, treatment, late endophthalmitis, 354 Fluorescence, hematoporphyrin derivative, choroidal malignant melanoma, 564

Forceps, retinal hemorrhage, vacuum extractor, newborn delivery, 155

Fundus change, after traumatic hyphema, 158

Galactokinase deficiency, twins, 162 Galactosemia, negative urine sugars, 566 Gallium-67, lacrimal gland accumulation, 884 Gangliosidosis type 2, GM<sub>2</sub> Sandhoff's disease, 157, 748 Genetics, keratoconus, 745

Gland accumulation, lacrimal, 67Ga, 884 Glass bead implantation, posterior subperiosteal, deep supra-tarsal sulcus, enophthalmos, 747

GLAUCOMA, congenital, follow-up examination, 356 intraocular pressure dependence, manometric investigation, 155

phenylthiocarbamide tasting, relationship, 157

pigmentary, current concepts, 358 histologic study, 358 retinal detachment, 880 pilocarpine, provocative test, 155

plasma cortisol suppression, 745 postoperative lens opacification, 155

primary acute angle block, prophylaxis, fellow eye, 884 psychovisual disturbances, 561 retina, capillary aneurysms, 564

retina, capinary ancurysmis, 304 secondary, angle recession, 158 simple, ocular tension, diabetes, 156 Glioma, brainstem, facial contraction, myokymia, 1049 Graves' disease, iodine-125 therapy, 885

orbital involvement, ultrasonographic evidence, 565 Growth curve, lens, 880 Growth hormone, diabetics, muscular exercise, plasma level,

1054 Growth-retardation, orbital region, radiation, retinoblastoma treatment, 1053

Halothane anesthesia, intraocular tension, nonglaucomatous children, ketamine, 356

Handicapped children, mentally, eye defects, 748
Head orientation, meridional variation, visual acuity, 162
Hemangioma, congenital, orbit, eyelid, 357

Hematoporphyrin derivative fluorescence, choroidal malignant melanoma, 564

Hemianopia, bilateral homonymous, central vision preservation, 885 suprastriate, 885

Hemorrhage, retina, neonate, delivery by forceps, vacuum extractor, 155

Hemiparesis, d micus, 749 delayed contralateral, herpes zoster ophthal-

Heroin withdrawal, acute, pupil size, 1054

Herpes zoster ophthalmicus, delayed contralateral hemiparesis, 749

Herpetic keratitis, poly I:C, 882 High myopia, contact lens, central vision, 748 Histoplasma capsulatum, choroid, retina, 156

Homocystinemia, 1055

Homonymous hemianopsia, bilateral, central vision preservation, 885

Hormone, growth, diabetics, muscular exercise, plasma level, 1054

Horner syndrome, alternating, 881

Hospital isolation, precaution guidelines

Hyalo-retinopathy, clefting syndrome, 748 Hydrocephalus, communicating, papilledema, 1049

periaqueductal dysfunction (Sylvian aqueduct syndrome),

Hyperglycinemia, corneal opacity, microphalmia, mental re-tardation, microencephaly, generalized muscular spas-

Hyperparathyroidism, corneal calcification, 562 Hypersensitivity reactions, cutaneous delayed, soluble melanoma antigen, ocular malignant melanoma, 886

Hypertension, benign intracranial, 1050 clinical, radiological features, 1050 ocular, antral balloon, 746

Hyphema, traumatic, fundus changes, 158

Iatrogenic disease, periorbital eczema, 356 Immunofluorescent detection, antibodies, ocular melanomas,

881

studies, mucous pemphigoid, 353 Immunological determination, aqueous humor lipoproteins,

561

properties, treatment, external diseases, 355 Implantation, glass bead, posterior subperiosteal, enophthal-mos, deep supratarsal sulcus, 747 Improved corneal storage, 160

Infant, cataract surgery, chronic intraocular inflammation, 1053

Infarction, brainstem, see-saw nystagmus, 1053 Infection, acute viral, brain, papilledema, 885 therapeutic soft lens, 156

Injection, intravitreal silicone, retinal detachment, 158 Infiltrate, subepithelial, Newcastle disease conjunctivitis, 562 Inflammation, chronic intraocular, infantile cataract surgery,

1053

Ingestion, clioquinol, child, toxic optic neuritis, 356
Inherited, dominant, electron microscopic observations, retinitis pigmentosa, 882

retinal degeneration, light intensity discrimination, 1056 Inhibition, carbonic anhydrase, acetazolamide, metabolic acidosis, intraocular pressure, 353

Intracranial hypertension, benign, 1050

benign, clinical, radiological features, 1050 Intracranial sympathetic pathway, sixth cranial nerve, 161 INTRAOCULAR, inflammation, chronic infantile cataract surgery, 1053

pressure, dependence, manometric investigation, glaucoma,

inhibition, carbonic anhydrase, acetazolamide, metabolic acidosis, 353

light scanning microscopy, outflow apparatus, graded levels, 1051

tension, nonglaucomatous children, ketamine, halothane anesthesia, 356 Intravitreal blood vessels, experimental model, 1052

silicone injection, retinal detachment, 158

Inverted papilloma, maxillary sinus, compression, lacrimal sac, 1055

In vitro inhibition, protein synthesis, retinal pigment epithelium, chloroquine, 160 Iodine-125 therapy, Graves' disease, 885 Iridotomy, experimental, iris wounds, suturing, 880

Iris clip lens, distant vision, 747 senile exfoliation, lens, 748

wounds, suturing, experimental iridotomies, 880

Ischemia, "Saturday night" retinopathy, 1052

J-K

Juvenile retinoschisis, 158 Keratitis, herpetic, poly I:C, 882

Keratoconjunctivitis, adenovirus type 19, 565

Keratoconus, genetics, 745 Keratomalacia, therapeutic penetrating keratoplasty, 562

Keratomycosis, 751

Keratoplasty, penetrating, failure, 884

therapeutic penetrating, keratomalacia, 562 Ketamine, 883

halothane, anesthesia, intraocular pressure, nonglaucomatous children, 356

Lacrimal gland accumulation, 67GA, 884

sac, inverted papilloma, maxillary sinus, compression, 1055 Late endophthalmitis, filtering blebs, treatment, 354

ate-onset diplopia, childhood-onset strabismus, 1054 LENS, brown deposits, diazepam, 564

growth curve, 880 iris clip, distant vision, 747 senile exfoliation, 748

opacification, postoperative, glaucoma, 155 therapeutic soft, infection, 156

Light intensity discrimination, inherited retinal degeneration, 1056 stimulation pupillary, torsional conjugate eye movements,

883 Lipoproteins, aqueous humor, immunological determination,

561 Lupus erythematosus, systemic, optic neuritis, 881

Macrodacryocystography, subtraction, 882 Macula, changes, optic disk pits, 161

dystrophy, cornea (Groenouw II), cytochemical Macular study, 563 Maculopathy, diabetic, 747 argon laser, 747

Malformation, congenital, offspring, alcoholic mother, 357 Malignant melanoma, ocular, cutaneous delayed hypersensi-tivity reactions, soluble melanoma antigen, 886

Manometric investigation, intraocular pressure dependence, glaucoma, 155

Maxillary sinus, compression, lacrimal sac, inverted papilloma, 1055

Melanoma antigen, soluble, ocular malignant melanoma, cutaneous delayed hypersensitivity reactions, 886

choroidal malignant, hematophorphyrin derivative fluorescence, 564 orange pigment, 354

ocular, immunofluorescent detection, antibodies, 881 Membrane, outer segment, visual cell, biogenesis, renewal,

563 Mentally handicapped children, eye defects, 748

retarded, microencephaly, generalized muscular spasticity, hyperglycinemia, corneal opacity, microphthalmia, 749

Meridional variation, head orientation, visual acuity, 162 Metabolic acidosis, intraocular pressure, inhibition, carbonic anhydrase, acetazolamide, 353

Metastasis, ocular, bladder cancer, 751
Microencephaly, generalized muscular spasticity, hyperglycinemia, corneal opacity, microphthalmia, mental retardation, 749

Microphthalmia, mental retardation, microencephaly, general-ized muscular spasticity, hyperglycinemia, corneal opacity, 749

Microwave cataracts, 749

Midbrain syndromes, transient, vertebral angiography, 884 Migration, subretinal pigment, cryosurgical retinal reat-tachment effects, 561

Movement, eye, Wilson's disease, slow saccadic, 356 peripheral vision, perception, 353

torsional conjugate eye, pupillary light stimulation, 883 vertical eye, 881

Mucous pemphigoid, immunofluorescent studies, 353 Multiple sclerosis, cerebellar nuclei disease, acquired pendular nystagmus, oscillopsia, 750 oral phosphate, visual function, 885

Muscle, dystrophy, oculopharyngeal, 884 exercise, plasma level, growth hormone, diabetics, 1054 spasticity, generalized, hyperglycinemia, corneal opacity, microphthalmia, mental retardation, microencephaly,

Myasthenia gravis, ocular, oral corticosteroids, 1055 progressive external ophthalmoplegia, 1054 Myoclonus, action, seizures, progressive supranuclear palsy, 357

Myokymia, facial contraction, brainstem glioma, 1049 superior oblique, 880 Myopia, high, contact lens, central vision, 748

Nasal tilting, optic disk, temporal field defects, 162 Neonate, retinal hemorrhage, delivery by forceps, vacuum extractor, 155 Nephrotic syndrome, corticosteroid-associated cataract, 1053 Nerve head, optic, anatomy, physiology, 358 third, function, posterior communicating aneurysms, surgery, 748
Neuritis, optic, systemic lupus erythematosus, 881
retrobulbar, visual perception delay, unilateral optic
atrophy, 746
toxic, optic, clioquinol ingestion, child, 356 Neuro-ophthalmic diagnosis, modern perimetry, 354

Neuropathy, acute optic, diphenylhydantoin therapy, 561 Nevus of Ota, unilateral, sensorineural deafness, 745 Newcastle disease conjunctivitis, subepithelial infiltrates, 562 Newcastle disease conjunctivitis, subepithelial infiltrates, 562
 Nonglaucomatous children, ketamine, halothane anesthesia, intraocular tension, 356
 Nosematosis, encephalitozoonosis, cornea, 562
 Nystagmus, acquired pendular, oscillopsia, multiple sclerosis, cerebellar nuclei disease, 750
 downbeat, mechanism, 354
 periodic alternating, downward beating, 745
 seasaw, brainstem inforction, 1053

see-saw, brainstem infarction, 1053

Obstruction, branch, retina, vein, classification, 357 Occlusion, temporal retinal branch vein, 358 OCULAR cytology, rapid stain, 1054 hypertension, antral balloon, 746 malignant melanoma, cutaneous delayed hypersensitivity reactions, soluble melanoma antigen, 886 melanomas, immunoflourescent detection, antibodies, 881 metastasis, bladder cancer, 751 myasthenia gravis, oral corticosteroids, 1055 progressive external ophthalmoplegia, 1054 palsies, Southeast Asia origen, 883 pressure, children, anesthesia, 561 pulse analysis, carotid stenosis, 746 tension, glaucoma, diabetes, 156 Oculomotor paresis, aneurysm, posterior communicating artery, 750 Oculopharyngeal muscular dystrophy, 884 Opacification, lens, postoperative, glaucoma, 155 Opacity, corneal, microphthalmia, mental retardation microencephaly, generalized muscular spasticity, hypergly-cinemia, 749 Ophthalmoplegia, progressive external, ocular myasthenia gravis, 1054 OPTIC atrophy, diabetes mellitus, 1049 diiodohydroxyquin, 751 children, 355 unilateral, retrobulbar neuritis, visual perception delay, disk, pits, macular changes, 161 nerve head, anatomy, physiology, 358 neuritis, systemic lupus erythematosus, 881 toxic, clioquinol ingestion, child, 356 neuropathy, acute diphenylhydantoin therapy, 561 Oral corticosteroids, ocular myasthenia gravis, 1055 phosphate, visual function, multiple sclerosis, 885 Orange pigment, choroidal melanoma, 354 ORBIT, eyelid, congenital hemangioma, 357 involvement, Graves' disease, ultrasonographic, 565 radiation, retinoblastoma treatment, growth retardation,

1053

rhabdomysarcoma, children, 1056

vascular anomalies, 1056

Organism, Chlamydia, therapy, diseases, 355 Oscillopsia, multiple sclerosis, cerebellar nuclei disease, acquired pendular nystagmus, 750 Outer segment membranes, visual cell, biogenesis renewal, 563 Outflow apparatus, graded levels, intraocular pressure, light, scanning microscopy, 1051
Oxalate, calcium, retinopathy, oxalosis, crystal deposits, 564
Oxalosis, crystal deposits, calcium oxalate retinopathy, 564 Palsy, progressive, supranuclear, action myoclonus, seizures, 357 Papilledema, acute viral infections, brain, 885 communicating hydrocephalus, 1049
Papilloma, inverted, maxillary sinus, compression, lacrimal sac, 1055 Paralysis, cyclic oculomotor, 161 Paresis, oculomotor, aneurysm, posterior communicating, artery, 750 Partial trisomy 13, cyclopia, 13/14 translation, 1051
Pemphigoid, mucous, immunofluorescent studies, 353
Pendular nystagmus, acquired, oscillopsia, multiple sclerosis, cerebellar nuclei disease, 750
Penctrating keratoplasty, failure, 884 therapeutic, keratomalactia, 562 Perception, movement, peripheral vision, significance, 353 Periaqueductal dysfunction (Sylvian aqueduct syndrome), hydrocephalus, 160 Perimetry, modern, neuro-ophthalmic diagnosis, 354 Periodic alternating nystagmus, downward beating, 745 Periorbital eczema, iatrogenic disease, 356 Peripheral vision, significance, perception, movement, 353 Phenylthiocarbamide tasting, glaucoma, relationship, 157 PIGMENT epithelium, retinal dystrophy, 159 retina, protein synthesis, in vitro inhibition, chloroquine, 160 selective destruction, ciliary body, 566 migration, subretinal, cryosurgical retinal reattachment effects, 561 orange, choroidal melanoma, 354 Pigmentary glaucoma, current concepts, 358 histologic study, 358 retinal detachment, 880 Pilocarpine, cornea, biologic response, 1052 provocative test, glaucoma, 155 Pits, optic disk, macular changes, 161 745 surgery, 748 congenital eversion, eyelids, 353

Plasma, cortisol suppression, normal, glaucomatous patients, level, growth hormone, diabetics, macular exercise, 1054 Poly I:C, herpetic keratitis, 882 Posterior communicating aneurysms, third nerve function, artery, oculomotor paresis, aneurysm, 750 subperiosteal glass bead implantation, deep supratarsal sulcus, enophthalmos, 747 Postopertive lens opacification, glaucoma, 155
Pressure, intraocular, inhibition, carbonic anhydrase, acetazolamide, metabolic acidosis, 353 light, scanning microscopy, outflow apparatus, graded levels, 1051 manometric investigation, glaucoma, 155 ocular, children, anesthesia, 561 Primary acute angle block glaucoma, prophylaxis, partner cye, 884 visual cortex, topography, variability, 750
Progressive external ophthalmoplegia, ocular myasthenia gravis, 1054 supranuclear palsy, action myoclonus, seizures, 357 Prophylactic cryoretinopexy, retinal breaks, 1049 encirclement, 157 Prophylaxis, partner eye, primary acute angle block glaucoma, 884 Prosopagnosia, agnosia, visual, 880 anatomical basis, 750 Prostaglandin E2, site of action, blood-aqueous barrier, 159 Prosthokeratoplasty, complication, epithelialization, anterior

in vitro inhibition, retinal pigment

chamber, 156 Protein synthesis,

epithelium, chloroquine, 160

Pseudomonas aeruginosa, cornea-destroying enzyme, 160 Pseudotumor cerebri, 745 Psychovisual disturbances, glaucoma, 561 Ptosis, 160 Pulfrich phenomenon, eye movements, 566 Pupil size, acute heroin withdrawal, 1054 Pupillary light stimulation, torsional conjugate eye movements, 883

retinoblastoma treatment, growth retardation, Radiation, orbital region, 1053 Rapid stain, ocular cytology, 1054 Reaction, cutaneous delayed hypersensitivity, soluble melanoma antigen, ocular malignant melanoma, 886 ttachment, cryosurgical retinal, effects, subretinal mi-Reattachment, co Rectus muscle transposition, saccadic velocity change, 1053

Red blood cell aplasia, diphenylhydantoin, 749 RETINA, branch, vein obstruction, classification, 357

breaks, asymptomatic, 1050 detachment, 1049

prophylactic cryoretinopexy, 1049 capillary aneurysms, glaucoma, 564 choroid, Histoplasma capsulatum, 156

cryosurgical reattachment effects, subretinal pigment migration, 561 degeneration, inherited, light intensity discrimination, 1056

vitamin E, vitamin A deficiencies, 883 detachment, congenital cataract surgery, 747 intravitreal silicone injection, 158 pigmentary glaucoma, 880

surgery, failure, 157

dialysis, 158 dystrophy, pigment epithelium, 159 hemorrhage, neonate, delivery by forceps, vacuum extractor, 155

pigment epithelium, protein synthesis, in vitro inhibition, chloroquine, 160 synaptogenesis, 1051

temporal, branch vein occlusion, 358 vitreous, serious indirect trauma, 161

Retinitis pigmentosa, dominantly inherited, electron microscopic observations, 882

histology, 565 Retinoblastoma, early symptomology, 357

treatment, growth retardation, orbital region, radiation, 1053

Retinopathy, calcium oxalate, oxalosis, crystal deposits, 564 diabetic, evolution, pathogenesis, treatment, 155 "Saturday night" ischemia, 1052
Retinoschisis, hereditary X-chromosome-linked, 158

juvenile, 158
Retrobulbar neuritis, visual perception delay, unilateral optic atrophy, 746

Rhabdomysarcoma, orbital, children, 1056 Rhodopsin cycle, 563 Rod, cone, signals, 566

Saccadic eye movements, slow, Wilson's disease, 356 velocity change, rectus muscle transposition, 1053 Sandhoff's disease, GM2 gangliosidosis type 2, 157, 748 Secondary glaucoma, angle recession, 158 See-saw nystagmus, brainstem infarction, 1053 Seizures, progressive supranuclear palsy, action myoclonus, 357 Selective destruction, pigmented epithelium, ciliary body,

566 Senile choroidal atrophy, 746 exfoliation, lens, iris, 748 Sensorineural deafness, unilateral nevus of Ota, 745 Silicone injection, intravitreal, retinal detachment, 158 Sinus, maxillary, compression, lacrimal sac, inverted papilloma, 1055

Sixth cranial nerve, sympathetic intracranial pathway, 161 Slow saccadic eye movements, Wilson's disease, 356 Soft lens, therapeutic, infection, 156 Soluble melanoma antigen, ocular malignant melanoma,

cutaneous delayed hypersensitivity reactions, 866

Spasticity, generalized muscular, hyperglycinemia, corneal opacity, microphthalmia, mental retardation, microencephaly, 749

Stain, rapid, ocular cytology, 1054

Stenosis, carotid, ocular pulse analysis, 746

Storage, improved corneal, 160

Strabismus, childhood onset, late-onset diplopia, 1054 Subperiosteal glass bead implantation, posterior, deep supratarsal sulcus, enophthalmos, 747

Subretinal pigment migration, cryosurgical retinal reattachment effects, 561

Subtraction macrodacryocystography, 882

Superior oblique myokymia, 880 Suprastriate hemianopia, 885

Supratarsal sulcus, deep, posterior subperiosteal glass bead implantation, enophthalmos, 747

Surface active agents, cataract, 1051 Suture, experimental iridotomies, iris wounds, 880 Sylvian aqueduct syndrome, periaqueductal dys syndrome, periaqueductal dysfunction, hydrocephalus, 160

Sympathetic pathway, intracranial, sixth cranial nerve, 161 Synaptogenesis, retinal, 1051

Systemic lupus erythematosus, optic neuritis, 881

Temporal field defect, nasal tilting, optic disk, 162 retinal branch vein occlusion, 358 Tension, ocular, simple glaucoma, diabetes, 156 Therapeutic penetrating keratoplasty, keratomalacia, 562 soft lens, infection, 156 Third nerve function, posterior communicating aneurysms, surgery, 748 Topography, variability, primary visual cortex, 750 Torsional conjugate eye movements, pupillary light stimulation, 883 Toxic optic neuritis, clioquinol ingestion, child, 356 Trabecular surgery, 882 Transient midbrain syndromes, vertebral angiography, 884 Translocation, 13/14, partial trisomy 13, cyclopia, 1051 Transposition, rectus muscle, saccadic velocity change, 1053 Trauma, serious indirect, retinal, vitreous, 161
Traumatic hyphema, fundus change after, 158
Trisomy 13, partial, cyclopia, 13/14 translocation, 1051
Twins, galactokinase deficiency, 162

Ulcer, bacterial corneal, early diagnosis, 354 Ultrasonography, orbital involvement, Graves' disease, 565 Ultrasound, diagnostic intensities, 564 Unilateral nevus of Ota, sensorineural deafness, 745 optic atrophy, retrobulbar neuritis, visual perception delay, 746 Urine sugars, negative, galactosemia, 566

Vacuum extractor, forceps, retinal hemorrhage, newborn delivery, 155 Vascular anomalies, orbit, 1056 Vein obstruction, branch, retina, classification, 357 occlusion, temporal retinal branch, 358 Velocity change, saccadic, rectus muscle transposition, 1053 Vertebral angiography, transient midbrain syndromes, 884 Vertical eye movements, 881 Vessels, intravitreal blood, experimental model, 1052 Viral infections, acute, brain, papilledema, 885 Vision, central, high myopia, contact lenses, 748 distant, iris clip lens, 747 peripheral, movement perception, 353 VISUAL acuity, head orientation, meridional variation, 162 agnosia-prosopangnosia, 880 cell outer segment membranes, biogenesis, renewal, 563 cortex, primary, topography, variability, 750 evoked potential, asymmetric, albinos, visual system anomaly evidence, 882

function, oral phosphate, multiple sclerosis, 885 hemi-inattention, discriminative aspects, 161 perception delay, unilateral optic atrophy, retrobulbar neuritis, 746

pigment chromophore, color, 159 system evidence, anomaly, asymmetric visually evoked potentials, albinos, 882

Vitamin A, vitamin E, deficiencies, retinal degeneration,

Vitreous humor, retina, serious indirect trauma, 161

W-X

Wilson's disease, slow saccadic eye movements, 356 Wound, healing, corneal, epithelial, endothelial interactions, 1052

iris, suturing, experimental iridotomies, 880 X-chromosome-linked retinoschisis, 158 X-ray scanning, computerized, brain, 750